



▶ Immunohistology

▶ Detection Systems

▶ Ancillary Reagents

▶ Control Material

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Immunohistochemistry - Selected Reagents for Diagnostics and Research

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Content

Antibodies

Positive control list for primary antibodies	5
Information about Zytomed Systems antibodies	10
Selected primary antibodies	10
<i>Max-Line</i> antibodies	70

Detection Systems

ZytoChem Plus Polymer detection kits and reagents	73
Double Stain Polymer detection kits	74
ZytoChem Plus Streptavidin Biotin detection kits and reagents	74

Ancillary Reagents

Epitope retrieval	77
Chromogenic substrates	78
Diluents, buffers and miscellaneous	79

Control Material

Cell Control Blocks	81
Cell Control Slides	82

Information

Master list for immunohistochemistry	85
Register	87

Compilation of positive controls for primary antibodies used in immunohistochemistry

Antigen/Antibody	Positive control	Antigen/Antibody	Positive control
14-3-3 Beta Protein	Prostate carcinoma, liver tumour	CA 125 Antigen	Ovary carcinoma, colon carcinoma
14-3-3 Zeta Protein	Breast carcinoma	Cadherin (Pan)	Tonsil
ACTH	Pituitary gland	Cadherin 17	Colon carcinoma
Actin (Muscle)	Skeletal muscle	E-Cadherin	Ductal breast carcinoma
Actin (Muscle, Pan)	Skeletal muscle	Calbindin	Kidney
Actin alpha (Sarcomeric)	Skeletal muscle	Calcitonin	Thyroid gland
Actin alpha (Skeletal Muscle)	Skeletal muscle	Caldesmon (HMW)	Skeletal muscle
Actin alpha (Smooth Muscle)	Leiomyosarcoma	Calmodulin-dependend Protein Kinase IV	Brain
Actinin alpha	Skeletal muscle	Calpain	Breast carcinoma
Adenovirus	Adenovirus-infected tissue	Calpastatin	Breast carcinoma
ADH-5 (Breast Marker Double Stain Cocktail)	Breast carcinoma	Calponin	Breast carcinoma
AFP (Alpha Fetoprotein)	Fetal liver	Calretinin	Mesothelioma
Akt1	Breast carcinoma	Carbonic Anhydrase IX (CA IX)	Placenta
Akt1/2	Breast carcinoma	Caspase 1	Clear cell RCC
Albumin (HSA)	Liver	Caspase 3 (CPP32)	Tonsil
Aldh 1a1 (Alkohol Dehydrogenase 1)	Colon carcinoma, breast carcinoma	Caspase 3, cleaved (CPP32)	Tonsil, colon carcinoma, apoptotic cells
ALK /p80 (Anaplastic Lymphoma Kinase)	ALK-positive lymphoma	Caspase 6 (MCH2)	Tonsil
Alpha-1-Antichymotrypsin	Tonsil	Caspase 8 (FLICE)	Stomach
Alpha-1-Antitrypsin (AAT)	Tonsil	Caspase 9 (Apaf-3)	Stomach, tonsil
Alpha-2-Macroglobulin	Tonsil	Caspase 10 (FLICE2)	Liver carcinoma
Amylin (Peptide)	Pancreas	Catenin (alpha)	Breast carcinoma
Amyloid A Component	Kidney	Catenin (beta)	Breast carcinoma
Amyloid Beta (A4)	Alzheimer brain	Catenin (delta), p120	Breast carcinoma
Amyloid Beta-Protein	Alzheimer brain	Catenin (gamma) (Plakoglobin)	Breast carcinoma
Amyloid Precursor Protein (APP)	Brain	Cathepsin D	Breast carcinoma
Androgen Receptor	Prostate carcinoma	Cat Scratch Disease	Bartonella henselae-infected tissue
Annexin A1	Hairy cell leukaemia	Caveolin-1	Lung carcinoma
Annexin IV	Liver	CCR7	Small intestine
APC (Adenomatous Polyposis Coli)	Colon carcinoma	CD1a	Histiocytosis X, tonsil
ATM (Ataxia Telangiectasia Mutated)	Breast carcinoma	CD2	Tonsil
BAG-1/RAP46/HAP1	Breast carcinoma	CD3	Tonsil
Bak	Tonsil	CD3 zeta	Jurkat cells, tonsil
Bax	Hodgkin's Lymphoma	CD4	Tonsil
BCA-225 (BRST-1)	Breast carcinoma	CD5	Tonsil, mantle cell lymphoma
BCL2	Tonsil	CD7	Tonsil
BCL6	Tonsil	CD8	Tonsil
BCL10	Tonsil	CD9	Tonsil
BCL-X	Hodgkin's Lymphoma	CD10 (CALLA)	Small intestine, tonsil
BCL-XL	Hodgkin's Lymphoma	CD11c	Hairy cell leukaemia
BCRP	Drug-sensitive cell line (MCF-7), fetal intestine	CD14	Tonsil, diffuse large-cell B-cell lymphoma
beta-HCG	Placenta	CD15	Reed-Sternberg cells, tonsil
BG-1 Precursor (Blood Group Antigen)	Kidney, ureter	CD19	Tonsil
BG-2 A (Blood Group Antigen)	Kidney, ureter	CD20	Tonsil
BG-3 B (Blood Group Antigen)	Kidney	CD21	Tonsil
BG-4 0 (Blood Group Antigen)	Colon, colon carcinoma	CD23	Tonsil
BG-5 Lewis a (Blood Group Antigen)	Colon, colon carcinoma	CD25	Tonsil
BG-6 Lewis b (Blood Group Antigen)	Colon carcinoma	CD29 (Integrin-beta1)	Cerebellum
BG-7 Lewis x (Blood Group Antigen)	Kidney	CD30 (Ki-1)	Small intestine, tonsil
BG-8 Lewis y (Blood Group Antigen)	Colon carcinoma	CD31 (PECAM-1)	Placenta, tonsil
BOB.1	Tonsil, lymph node	CD34 (Endothelial cells)	Tonsil
BRCA1	Ovary carcinoma	CD35 (CR1) (Dentritic Reticulum)	Tonsil
C3d	Graft rejection after kidney transplantation		
C4d	Graft rejection after kidney transplantation		
CA 19-9 (Colon)	Colon carcinoma		
CA 72.4 Antigen/TAG-72 (BRST-3)	Breast carcinoma		

Antigen/Antibody Positive control

	CD40	Tonsil
CD43 (Leukosialin, Sialophorin)		Lymph node, tonsil
	CD44 (H-CAM)	Tonsil
	CD45 (LCA)	Tonsil
	CD45RA	Tonsil
	CD45RB	Tonsil
	CD45RO	Lymph node, tonsil
CD56 (N-CAM, NKH1, SCLC)		Small-cell lung carcinoma, neuroblastoma
	CD57 (NK cells)	Lymph node, tonsil
CD61 (Integrin beta 3)		Tonsil
	CD63 (NK-I/C3)	Melanoma
CD68 (Macrosialin, macrophage antigen)		Tonsil
	CD74	Tonsil
	CD79a	Tonsil
	CD95 (Fas, Apo-1)	Small intestine
CD95L (FAS Ligand)	CD178	Prostate
CD99/MIC2 (Ewing's sarcoma)		Ewing sarcoma, pancreas
CD105 (Endoglin, TGF beta 1/3 Receptor)		Tonsil
	CD117 (c-Kit)	Tonsil, stroma tumour (GIST)
	CD138 (Syndecan-1)	Plasmocytoma, tonsil
	CD163	Lung
	CD274 (B7-H1)	Tonsil, lung, skeletal muscle
	CDC25A	Tonsil
	CDC25B	Tonsil
	CDC25C	Breast carcinoma
	CDC37	Thymus
	CDC47	Breast carcinoma
Cdk2 (Cyclin dependent Kinase 2)		Tonsil
Cdk4 (Cyclin dependent Kinase 4)		Liposarcoma
Cdk5 (Cyclin dependent Kinase 5)		Brain
	CDw75 (B-Cell)	Tonsil
	CDX1	Small intestine
	CDX2	Colon carcinoma
CEA (Carcinoembryonic Antigen, CD66e)		Colon carcinoma
	c-FOS	Skin
	CFTR	Pancreas
Cholecystokinin (26-33)		Small intestine
	Chromogranin A	Pancreas
CITED-1 (CBP, CREB-binding protein, p300)		Papillary thyroid gland carcinoma
	Claudin 1	Skin, breast carcinoma
	Claudin 2	Colon carcinoma, ovary carcinoma, tonsil
	Claudin 3	Small intestine
	Claudin 4	Ovary carcinoma, tonsil
	Claudin 5	Colon carcinoma, lung
	Claudin 7	Colon carcinoma
	Claudin 10	Brain, skeletal muscle
c- Met (Hepatocyte Growth Factor Receptor)		Breast carcinoma
	c-Myc	Breast carcinoma
	Collagen IV	Skin
	Connexin 43	Heart
COX-1 (Cyclooxygenase 1)		Skin
COX-2 (Cyclooxygenase 2)		Colon carcinoma, breast carcinoma
	c-TEN	Liver carcinoma
	CUL-1	Tonsil
	CUL-2	Tonsil
	CUL-3	Tonsil
	Cyclin A	Tonsil

Antigen/Antibody Positive control

	Cyclin B1	Breast carcinoma, tonsil
	Cyclin D1 (BCL-1)	Breast carcinoma, mantle cell lymphoma, tonsil
	Cyclin D3	Breast carcinoma, tonsil
	Cyclin E	Breast carcinoma, placenta
	Cyr61	Placenta
	Cystatin A	Brain
	Cytokeratin (Acidic)	Skin
	Cytokeratin (Basic)	Skin
	Cytokeratin (HMW)	Skin, prostate
	Cytokeratin (OSCAR)	Bladder, skin, liver, breast carcinoma
	Cytokeratin (Pan)	Skin, tonsil
	Cytokeratin Pan Plus	Skin, adenocarcinoma
	Cytokeratin (Wide Spectrum)	Skin
	Cytokeratin 4	Skin
	Cytokeratin 5	Skin
	Cytokeratin 5 & 6	Skin, prostate
	Cytokeratin 5 & 8	Skin, lung
	Cytokeratin 5 & 14	Skin, prostate
	Cytokeratin 6	Skin
	Cytokeratin 7	Skin, breast carcinoma
	Cytokeratin 8	Skin
	Cytokeratin 8 & 18	Skin, breast carcinoma
	Cytokeratin 10	Skin
	Cytokeratin 10 & 13	Skin
	Cytokeratin 13	Skin
	Cytokeratin 14	Skin, squamous cell carcinoma
	Cytokeratin 15	Skin
	Cytokeratin 16	Skin, squamous cell carcinoma
	Cytokeratin 17	Skin
	Cytokeratin 18	Skin, lung carcinoma, breast carcinoma
	Cytokeratin 19	Skin, colon carcinoma
	Cytokeratin 20	Colon carcinoma
	Cytomegalovirus (CMV)	CMV-infected tissue
	Desmin	Leiomyoma
	Desmoglein 3	Breast carcinoma
DHFR (Dihydrofolate Reductase)		Squamous cell carcinoma of lung
	DNA Polymerase B	Testicles
	DOG1	Gastrointestinal stroma tumour
	Dysferlin	Skeletal muscle
	Dystrophin	Skeletal muscle
	E2F-1 Transcription Factor	Breast carcinoma, tonsil
	E2F-4 Transcription Factor	Breast carcinoma, tonsil
	E-Cadherin	Ductal breast carcinoma
	EGFr (Epidermal Growth Factor Receptor)	Placenta, squamous cell carcinoma
	Elastin	Heart
	EMA (Epithelial Membrane Antigen)	Colon carcinoma, breast carcinoma
	eNOS (endothelial NO-Synthase)	Vascular endothelia
	Epithelial Specific Antigen (ESA, Ep-CAM)	Breast carcinoma
	Epstein Barr Virus (EBV)(Cocktail)(LMP-1)	EBV-infected tissue
	ERAB	Alzheimer brain
	ERCC1	Tonsil, lung carcinoma
	ERG	Prostate carcinoma
	ERK1 (Extracellular Regulated Kinase)	Breast carcinoma
	ERK2 (Extracellular Regulated Kinase)	Breast carcinoma
	Estrogen Receptor	Breast carcinoma
	Estrogen Receptor beta	Breast carcinoma, ovary, endometrium
	Ezrin (p81, Cytovillin)	Lung
	F4/80	Mouse lung
	Factor VIII Related Antigen (v. Willebrand Factor)	Tonsil

Antigen/Antibody Positive control

Antigen/Antibody Positive control

Factor XIIIa (Fibrinolygase, Plasma Transglutaminase)	Placenta
Fas-Associated Phosphatase (FAP-1)	Placenta
FBXW7 Endometrial adenocarcinoma	Lung squamous cell carcinoma
FGFR1 (Fibroplast Growth Factor Receptor)	Breast carcinoma
FGFR2 (Fibroplast Growth Factor Receptor)	Liver cell carcinoma
FGFR3 (Fibroplast Growth Factor Receptor)	Breast carcinoma
Fibronectin	Kidney
Fli-1	Angiosarcoma
FLIP (Flice Inhibitor Protein)	Colon carcinoma, placenta
Follicular Dendritic Cells (FDC)	Lymph node, thyroid gland, tonsil
FOXA1	Breast carcinoma
FOXP3	Tonsil
FOXP4 (Forkhead BOX P4)	Lung
Fra2 (Fos Related Antigen 2)	Prostate carcinoma
FSH (Follicle Stimulating Hormone)	Pituitary gland
Galectin-3	Thyroid gland
Gamma Glutamylcysteine Synthase (GCS)	Kidney, testicles
Gastrin	Stomach
GATA-3	Breast, urothelial carcinoma
GCDFP-15 (BRST-2)	Breast carcinoma, salivary gland
GFAP (Glial Fibrillary Acidic Protein)	Astrocytome, brain
Glial Derived Neurotrophic Factor	Brain tumour
Glucagon	Pancreas
GLUT1 (Glucose Transporter 1)	Breast carcinoma
GLUT3 (Glucose Transporter 3)	Placenta
Glutamat Decarboxylase 65	Pancreas
Glycophorin A	Erythrocytes
Glycophorin C (CD236R)	Tonsil
Glypican-3	Liver cell carcinoma
GNB2 (Guanine nucleotide binding protein 2)	Placenta
Granulocyte (Myeloid Cell Marker)	Lymph node, tonsil
Granzyme B	Hodgkin's lymphoma, tonsil
Growth Hormone, human (hGH)	Pituitary gland
Hairy Cell Leukemia	Tonsil
HCG (Human Chorionic Gonadotropin)	Placenta
HDAC1 (Histone Deacetylase 1)	Tonsil
HDAC2 (Histone Deacetylase 2)	Tonsil
Heat Shock Protein 60 (HSP60)	Breast carcinoma
Heat Shock Protein 70 (HSP70)	Breast carcinoma
Helicobacter pylori	H. pylori-infected tissue
Hemoglobin A	Bone marrow, spleen, placenta
Hepatitis B Core Antigen (HBcAg)	HBV-infected liver
Hepatitis B Surface Antigen (HBsAg)	HBV-infected liver
Hepatitis C Virus (HCV)	HCV-infected liver
Hepatocyte (HepPar1)	Liver
Hepatocyte Factor Homologue-4	Lung
HER2 (c-erbB-2) Extracellulär domain	Breast carcinoma
HER2 (c-erbB-2) Intracellulär domain	Breast carcinoma
HER3 (c-erbB-3)	Breast carcinoma, skeletal muscle
HER4 (c-erbB-4)	Breast carcinoma
Heregulin (NDF, GGF, Neuregulin)	Prostate carcinoma
HGAL	Tonsil, lymph node
HHV8 (Human Herpes Virus)	HHV8-infected tissue
HIF-1 alpha (Hypoxia Inducible Factor-1 alpha)	Breast carcinoma
HLA-DR, DP, DQ, DX	Lymph node, tonsil
HMG2	Breast carcinoma
HPV 16, L1 (Papilloma virus Type 16)	HPV 16-infected tissue
HSV I (Herpes Simplex Virus)	HSV I-infected tissue

HSV I & II (Herpes Simplex Virus)	HSV I & II-infected tissue
HSV II (Herpes Simplex Virus)	HSV II-infected tissue
Huntingtin-Interacting Protein 1 (HIP-1)	Colon carcinoma
IgA	Tonsil
IgD	Tonsil
IgE	Tonsil
IgG	Tonsil
IgG4	Tonsil
IgM	Tonsil
IKAROS	Tonsil
Inhibin, alpha	Ovary, testicles
INI-1	Brain, astrocytome, endothelial cells
iNOS (inducible NO-Synthase)	Lung
Insulin	Pancreas
Insulin-Like Growth Factor 1 Receptor (IGF1R)	Breast carcinoma, placenta
Insulin Receptor Substrate (IRS)	Colon carcinoma
Integrin beta 3 (CD61)	Tonsil
Integrin beta 5	Small intestine, bone marrow
Involucrin	Skin
IPO-38 (Proliferation Marker)	Spleen, tonsil
JAK3	Colon carcinoma, tonsil
J-Chain	Tonsil
Kappa Light Chain	Tonsil
Ki-67	Breast carcinoma, tonsil
KOC/L523S	Prostate carcinoma, placenta
K-RAS	Colon carcinoma
Ksp-Cadherin	Kidney
Ku (p70)	Tonsil
Lactogen (Placental)	Placenta
Lambda Light Chain	Tonsil
Laminin	Skin
Langerin	Langerhans cells
LK26	Ovary carcinoma
LMO2	Tonsil
LPAP (Lymphocyte Phosphatase-Associated Phosphoprotein)	Tonsil
Lung Related Protein, MV (Major Vault Protein)	Breast carcinoma, adrenal gland
Luteinizing Hormone (LH)	Pituitary gland
Lymphatic Endothelium Marker (D2-40, Podoplanin)	Lymphatic endothelia (tonsil or appendix)
Lysozyme (Muraminidase)	Tonsil
LYVE-1	Lymphatic endothelia (tonsil or appendix)
Macrophage	Lymph node, tonsil
MADL	Adenocarcinoma of lung
MAGE-1	Melanoma, tonsil
Mammaglobin	Breast carcinoma
MART-1 (MelanA)	Melanoma
Mast Cell Chymase	Tonsil
Mast Cell Tryptase	Tonsil
MCL-1 (Myeloid Cell Leukemia)	Tonsil
MCM2	Tonsil
MCM5	Cervix carcinoma
MDM2 (Murine Double Minute 2)	Breast carcinoma, liposarcoma
MDR1 (Multi Drug Resistance Protein, pg170))	Colon, liver, kidney
MDR1+3 (Multi Drug Resistance Protein)	Adrenal cortex
MEF-2	Brain

Antigen/Antibody Positive control

(pan, MART-1+HMB45+Tyrosinase)	Melanoma	Melanoma
Melanoma (HMB45)	Melanoma	Melanoma
Melanoma Associated Antigen	Melanoma	Melanoma
Mesothelin	Mesothelioma	Mesothelioma
Mesothelioma	Mesothelioma	Mesothelioma
MGMT	Colon carcinoma, tonsil	Colon carcinoma, tonsil
Microglia (Iba1)	Brain	Brain
MIP-1alpha	Lung carcinoma	Lung carcinoma
MiTF (Microphthalmia Transcription Factor)	Melanoma	Melanoma
MLH1	Colon, melanoma, tonsil	Colon, melanoma, tonsil
MMP-1 (Matrix Metalloproteinase 1)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-2 (Matrix Metalloproteinase 2)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-3 (Matrix Metalloproteinase 3)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-7 (Matrix Metalloproteinase 7)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-9 (Matrix Metalloproteinase 9)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-10 (Matrix Metalloproteinase 10)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-11 (Matrix Metalloproteinase 11)	Placenta	Placenta
MMP-14/MT-MMP (Matrix Metalloproteinase 14)	Breast carcinoma, placenta	Breast carcinoma, placenta
MMP-15/MT2-MMP (Matrix Metalloproteinase 15)	Placenta	Placenta
MMP-19 (Matrix Metalloproteinase 19)	Placenta	Placenta
MMP-23 (Matrix Metalloproteinase 23)	Placenta	Placenta
MSH2 (MutS homologue 2)	Colon carcinoma, tonsil	Colon carcinoma, tonsil
MSH3 (MutS homologue 3)	Colon carcinoma, tonsil	Colon carcinoma, tonsil
MSH6 (MutS homologue 6)	Colon carcinoma, tonsil	Colon carcinoma, tonsil
mTOR	Breast carcinoma	Breast carcinoma
MUC1 (Mucin 1, CD227)	Breast carcinoma	Breast carcinoma
MUC2 (Mucin 2)	Small intestine	Small intestine
MUC 5AC (Mucin 5AC)	Stomach	Stomach
MUC18 (CD146)	Angiosarcoma	Angiosarcoma
MUM1 Protein	Plasma cells, tonsil	Plasma cells, tonsil
Myelin Basic Protein (MBP)	Brain	Brain
Myeloperoxidase (MPO)	Spleen, tonsil	Spleen, tonsil
Myo D1	Tonsil	Tonsil
Myogenin	Rhabdomyosarcoma	Rhabdomyosarcoma
Myoglobin	Skeletal muscle	Skeletal muscle
Myosin	Skeletal muscle	Skeletal muscle
Napsin A	Adenocarcinoma of the lung	Adenocarcinoma of the lung
NCK2	Breast carcinoma	Breast carcinoma
N-Cadherin (Cadherin 2)	Pituitary gland	Pituitary gland
Nephrin	Kidney	Kidney
Neurofilament H (200 kDa)	Brain	Brain
Neurofilament I & H (70/200 kDa)	Brain	Brain
NF kappa B (p50)	Testicles	Testicles
NF kappa B (p65) (rel A)	Placenta, prostate	Placenta, prostate
NGF-Receptor	Neurofibroma	Neurofibroma
Nkx3.1	Prostate carcinoma	Prostate carcinoma
eNOS (endothelial NO-Synthase)	Vascular endothelia	Vascular endothelia
iNOS (inducible NO-Synthase)	Lung	Lung
uNOS (universal NO-Synthase)	Placenta	Placenta
Notch-1	Colon carcinoma, breast carcinoma	Colon carcinoma, breast carcinoma
Nrf2 (TCF 11)	Placenta	Placenta
NSE (Neuron Specific Enolase)	Pancreas	Pancreas
Nucleophosmin (NPM, Numatrin)	Tonsil	Tonsil
Occludin	Lung, A431 cells	Lung, A431 cells
Oct-1 (Octamer Binding Transcription Factor 1)	Tonsil	Tonsil

Antigen/Antibody Positive control

Oct-2 (Octamer Binding Transcription Factor 2)	Tonsil	Tonsil
Oct-3/Oct-4 (Octamer Binding Transcription Factor 3/4)	Seminoma	Seminoma
Oct-4 (Octamer Binding Transcription Factor 4)	Seminoma	Seminoma
Osteopontin	Stomach carcinoma, osteosarcoma	Stomach carcinoma, osteosarcoma
Olig2	Astrocytoma	Astrocytoma
p14 (ARF)	Breast carcinoma, cervix carcinoma	Breast carcinoma, cervix carcinoma
p14 (ARF)/p16 beta	Cervix carcinoma, fibroadenoma of breast	Cervix carcinoma, fibroadenoma of breast
p15 (ink4b)	Colon carcinoma	Colon carcinoma
p16 (ink4a)	Uterine cervical squamous cell carcinoma	Uterine cervical squamous cell carcinoma
p19 (ink4d)	Colon carcinoma	Colon carcinoma
p21 (ros, WAF1)	Colon carcinoma, tonsil	Colon carcinoma, tonsil
p27 (KIP1)	Colon carcinoma	Colon carcinoma
p34 (CDC2)	Breast carcinoma	Breast carcinoma
p40	Squamous cell carcinoma of lung	Squamous cell carcinoma of lung
p53	Colon carcinoma, breast carcinoma	Colon carcinoma, breast carcinoma
p56 DOK2	Breast carcinoma	Breast carcinoma
p57 (KIP2)	Colon carcinoma, placenta	Colon carcinoma, placenta
p59 (Fyn)	Lymphoma	Lymphoma
p62 DOK1	Breast carcinoma	Breast carcinoma
p63	Skin, squamous cell carcinoma, prostate	Skin, squamous cell carcinoma, prostate
p120 (Catenin delta)	Breast carcinoma	Breast carcinoma
P504S (AMACR)	Prostate carcinoma	Prostate carcinoma
P504S & p63 (PIN Cocktail)	Prostate carcinoma	Prostate carcinoma
Pan Basal-Cell Cocktail (p63 & Cytokeratin 5/14)	Prostate, breast	Prostate, breast
Pan B Cocktail (CD20 & PAX-5)	Tonsil	Tonsil
Pancreatic Polypeptide	Pancreas	Pancreas
Par-4 (Prostate Apoptosis Response)	Alzheimer brain, myocardium	Alzheimer brain, myocardium
Parathyroid Hormone (PTH)	Parathyroid gland	Parathyroid gland
Parathyroid Hormone Receptor 1 (PTHr)	Breast carcinoma	Breast carcinoma
PAX-2	Kidney cell carcinoma	Kidney cell carcinoma
PAX-5	Tonsil	Tonsil
PAX-8	Kidney cell carcinoma	Kidney cell carcinoma
Paxillin	Colon carcinoma	Colon carcinoma
PCNA (Proliferating Cell Nuclear Antigen)	Lymph node, tonsil	Lymph node, tonsil
PD-1	Tonsil, lymph node	Tonsil, lymph node
PDGF (Platelet Derived Growth Factor)	Breast carcinoma	Breast carcinoma
PDGF (beta-chain)	Angiosarcoma	Angiosarcoma
(Platelet Derived Growth Factor)		
PDGFr-alpha (CD140a)	Ovary carcinoma	Ovary carcinoma
PDGFr-beta (CD140b)	Ovary carcinoma	Ovary carcinoma
PD-L1	Tonsil, lung adenocarcinoma	Tonsil, lung adenocarcinoma
Perforin	Spleen	Spleen
Phosphohistone H3 (pHH3)	Breast carcinoma, tonsil	Breast carcinoma, tonsil
Phospholipase C beta 1	Brain	Brain
Phospholipase C gamma 2	Hodgkin's lymphoma	Hodgkin's lymphoma
Phosphoprotein (Pan) (PS/PT/PY)	Breast carcinoma	Breast carcinoma
Phosphotyrosine	Breast carcinoma	Breast carcinoma
PI3K/p85	Placenta, Breast carcinoma	Placenta, Breast carcinoma
PI3K/p110 beta	Placenta	Placenta
PIN Cocktail (P504S & p63)	Prostate carcinoma	Prostate carcinoma
PLAP (Placental Alkaline Phosphatase)	Seminoma	Seminoma
PML Protein	Lymphoma	Lymphoma
PMP22 (Peripheral Myelin Protein)	Nerve tissue	Nerve tissue
PMS2	Colorectal carcinoma	Colorectal carcinoma
Pneumocystis carinii	Infected lung tissue	Infected lung tissue
Podocin	Kidney	Kidney

Antigen/Antibody Positive control

Podoplanin	Lymphatic endothelia
Progesterone Receptor	Breast carcinoma
Prohibitin	Heart
Prolactin (LTH, Luteotropic Hormone)	Pituitary gland
Protein Gene Product 9.5 (PGP9.5, UCH-L1)	Pancreatic carcinoma, tonsil
PSA (Prostate Specific Antigen)	Prostate
PsAP (Prostatic Acid Phosphatase)	Prostate
PsCA (Prostate Stem Cell Antigen)	Prostate carcinoma
PSMA (Prostate Specific Membrane Antigen)	Prostate
PTEN (MMAC1,TEP1)	Prostate, breast carcinoma
PU.1	Lymph node, tonsil
Ran	Mamma, Hela- or A431 cells
Ras	Tonsil
RCAS (BAG9)	Breast carcinoma
RCC1 (Regulator of Chromosome Condensation1)	Colon carcinoma
Renal Cell Carcinoma, gp200 (RCC)	Kidney, kidney cell carcinoma
Ret Oncoprotein	Small intestine, Colon carcinoma,
Retinoblastoma (Rb)	Breast carcinoma
ROC1	Tonsil
RPA (p34) (Replication Protein A)	Tonsil
RRM1 (Ribonucleotide Reductase M1 Polypeptide)	Placenta
S6 Ribosomal	Breast carcinoma
S100	Melanoma, nerve tissue
S100A4	Melanoma
S100P	Ductal adenocarcinoma of pancreas
SALL4	Seminoma
SATB2	Colorectal adenocarcinoma
Secretagogin	Pancreas, brain
Serotonin	Small intestine
Smad3	Breast carcinoma
SMAD4 (DCP4)	Placenta
Somatostatin Receptor 1 (SSTR1)	Prostate
Somatostatin Receptor 2A (SSTR2A)	Pancreas including Langerhans cells
Somatostatin Receptor 5 (SSTR5)	Pancreas including Langerhans cells
SOX2	Newborn brain
SOX4	Brain
SOX9	Testicles
SOX10	Malignant melanoma, melanocytes
SOX11	Mantle cell lymphoma
SOX14	Fetal tissue
STAT3	Tonsil
STAT5a	Tonsil
STAT6	Breast carcinoma
Stathmin	Tonsil, breast carcinoma, Jurkat-cells
Surfactant Apoprotein-A	Lung carcinoma
Survivin	Lymphoma
Synaptophysin	Pancreas
Syndecan-1 (CD138)	Tonsil
Syntaxin 1A	Brain
Synuclein (alpha)	Brain
Synuclein (beta) (Phosphoneuroprotein 14)	Brain
Synuclein (Pan)	Colon carcinoma, breast carcinoma
TAG-72 (Tumor associated Glycoprotein)	Alzheimer brain
TAU	Thymus
T-bet	Tonsil, hairy cell leukaemia
TdT (Terminal Deoxynucleotidyl Transferase)	Squamous cell carcinoma, tonsil
Tenascin C	Tonsil, appendix

Antigen/Antibody Positive control

TFE3	Testis or renal cell carcinoma with Xp11.2 translocation
TGF alpha (Transforming Growth Factor)	Small intestine
TGF beta I (Transforming Growth Factor)	Placenta
TGF beta I Receptor	Placenta
TGF beta II (Transforming Growth Factor)	Small intestine
TGF beta III (Transforming Growth Factor)	Placenta
TGF beta III Receptor	Placenta
Thioredoxin Reductase 2 (TrxR2)	Colorectal carcinoma
Thrombin R	Pancreas
Thrombospondin (TSP)	Breast carcinoma
Thymidine Phosphorylase	Breast carcinoma
Thymidylate Synthase	Colon carcinoma
Thyroglobulin	Thyroid gland
Thyroid Hormone Receptor alpha 1/2	Colon carcinoma
Thyroid Hormone Receptor beta	Thyroid gland
Thyroid Peroxidase (TPO)	Breast carcinoma, ovary carcinoma
TIE-1	Tonsil
TIMP-1 (Tissue Inhibitor of Metalloproteinase)	Colon carcinoma, pancreas carcinoma
TIMP-2 (Tissue Inhibitor of Metalloproteinase)	Breast carcinoma, Placenta
TIMP-3 (Tissue Inhibitor of Metalloproteinase)	Breast carcinoma, Placenta
TNF (alpha)	Spleen
TNFr-2 (Tumor Necrosis Factor Receptor 2)	Tonsil
Topoisomerase II (alpha)	Tonsil, mantle cell lymphoma
Topoisomerase II (beta)	Tonsil
Toxoplasma gondii	Infected brain tissue
TRADD	Liver carcinoma
Transferrin	Liver
Transglutaminase II	Breast carcinoma
Treponema pallidum	Infected tissue
Trypsin	Pancreas
TSH (Thyroid Stimulating Hormone)	Pituitary gland
TTF-1 (Thyroid Transcription Factor 1)	Lung, thyroid gland
Tubulin, alpha	Skin, lung
Tubulin, beta	Skin, lung
Tyrosinase	Melanoma
Ubiquitin	Alzheimer brain
uNOS (universal NO-Synthase)	Umbilical cord, placenta
Upstream Transcription Factor 2 (USF2)	Breast carcinoma
Urocortin	Pituitary gland
Uroplakin II	Urothelial tissue
Uroplakin III	Urothelial tissue
VEGF-A (Vascular Endothelial Growth Factor)	Urothelial carcinoma
VEGFr-1 (Flt-1)	Astrocytome, haemangiosarcoma
VEGFr-2 (Flk-1)	Angiosarcoma
VEGFr-3 (Flt-4)	Angiosarcoma
VGSC	Placenta, breast carcinoma
Villin	Brain
Vimentin	Small intestine, kidney
Vinculin	Skin, melanoma, sarcoma
WNT1	Skin
WT1 (Wilm's Tumor Protein-1)	Breast carcinoma
XRCC1	Wilm's tumour
XRCC2	Testicles
ZAP-70	Testicles
ZO-3	Tonsil
	Small intestine

Selected Primary Antibodies

for formalin-fixed paraffin-embedded tissue sections

Zytomed Systems offers a broad range of antibodies suitable for diagnostics. Usually, our antibodies are available in concentrated and ready-to-use formats. All antibodies mentioned here are suitable for FFPE tissue sections.

Ready-to-use antibodies: Designed for convenient handling, these antibodies require no dilution or titration. Zytomed Systems offers 6 ml and 7 ml ready-to-use antibodies.

MAX-Line antibodies: These high-volume ready-to-use antibodies offer cost-effective solutions for laboratories with manual as well as automated systems that have high throughput. They are available in a 16 ml sizes.

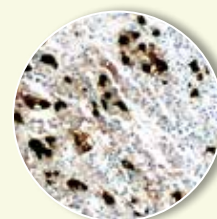
Concentrated antibodies: To ensure highest flexibility in your immunohistochemistry protocol Zytomed Systems offers 1 ml, 0.5 ml and 0.1 ml concentrated antibodies.

For a broad range of antibodies we offer protocol information for use on automated systems. These protocols were provided by customers and have already been verified in the day-to-day routine of an IHC laboratory. You can download a sheet with protocol recommendations from our homepage or ask your local dealer for more information.

ACTH

Clone: SPM501
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:400	1 ml	501-16454



Actin alpha (Skeletal Muscle)

Clone: 5C5.F8.C7
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	0.1 ml	501-16650
			1 ml	501-16654



Actin alpha (Smooth Muscle)

Clone: 1A4
Host: Mouse
Reactivity: HU, MS, RT, CH
Pretreat.: -
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG030
			16 ml	BMS001
P, IF	Concentrate	1:100	0.5 ml	MSK030-05
			1 ml	MSK030



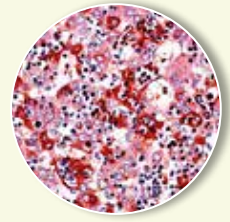
ADH-5 Cocktail

Please refer to Cytokeratin 5 & 14.

AFP (Alpha-Fetoprotein)

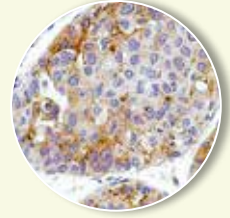
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:200	1 ml	501-2954

**AFP (Alpha-Fetoprotein)**

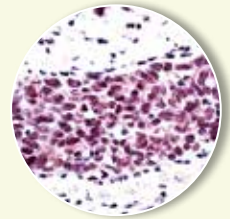
Clone: SP154
Host: Rabbit
Reactivity: HU, BV, DG, PG
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	501-4541
P, WB	Concentrate	1:100	0.1 ml	501-4540
			0.5 ml	501-4542
			1 ml	501-4544

**Akt1, phosphorylated Ser473**

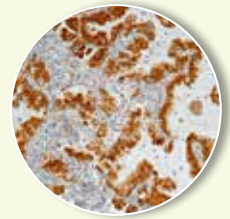
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:25	0.1 ml	501-13450
			1 ml	501-13454

**ALK/p80 (Anaplastic Lymphoma Kinase)**

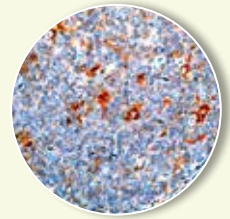
Clone: 5A4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100 - 1:200	0.5 ml	MSK096-05

**Alpha-1-Antichymotrypsin**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	501-3454

**Alpha-Fetoprotein**

Please refer to AFP.

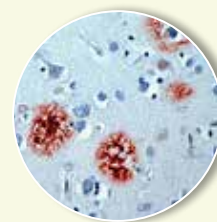
AMACR

Please refer to P504S.

Amyloid Beta (A4)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

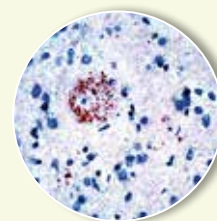
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	501-3531
F, P, WB, IP	Concentrate	1:100	0.1 ml	501-3530
			0,5 ml	501-3532
			1 ml	501-3534



Amyloid Beta Precursor Protein (APP)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	501-2654



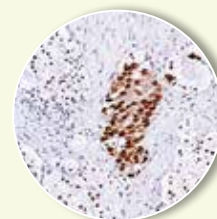
Anaplastic Lymphoma Kinase

Please refer to ALK.

Androgen Receptor

Clone: SP107
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

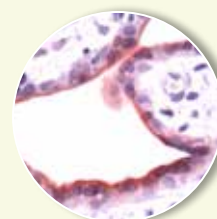
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	501-4071
P, WB	Concentrate	1:400	0.1 ml	501-4070
			0.5 ml	501-4072
			1 ml	501-4074



Annexin I (ANXA1)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:25	0.5 ml	501-14032
			1 ml	501-14034



Apo-1 (Fas)

Please refer to CD95.

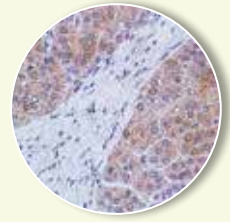
APP

Please refer to Amyloid Beta Precursor Protein.

Arginase-1

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

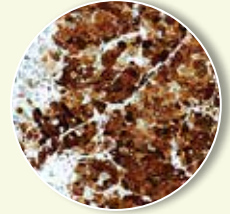
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	501-19280
			0.5 ml	501-19282
			1 ml	501-19284



Arginase-1

Clone: SP156
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	501-4560
			0.5 ml	501-4562
			1 ml	501-4564



ATRX



Clone: 60.1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, EL, WB	Concentrate	1:200	50 µg	101-0630

B-cells

Please refer to CD19, CD20, CD23, CD45RA, CD74, CD79a, pan B Cocktail, PAX.

Bax

Clone: SP47
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	0.1 ml	502-3470
			0.5 ml	502-3472
			1 ml	502-3474



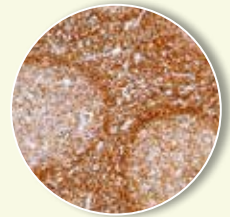
BCL1

Please refer to Cyclin D1.

BCL2

Clone: E17
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

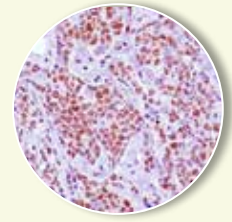
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG016
			16 ml	BRB055
	Concentrate	1:25 - 1:100	0.5 ml	RBK016-05
			1 ml	RBK016



BCL6

Clone: SP155
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, FL	Concentrate	1:100	0.1 ml	502-4550
			0.5 ml	502-4552
			1 ml	502-4554

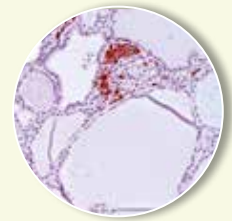
**Beta Catenin**

Please refer to Catenin (beta).

BOB-1

Clone: SP92
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	502-3920
			0.5 ml	502-3922
			1 ml	502-3924

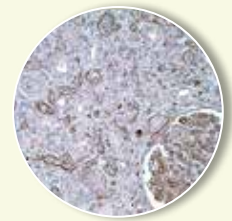
**BRST-2**

Please refer to GCDFP-15.

C3d (Complement factor)

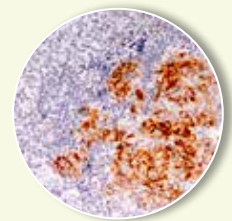
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG034
	Concentrate	1:100-1:500	0.5 ml	RBK034-05

**C4d (Complement factor)**

Clone: A24-T
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG061
	Concentrate	1:100 - 1:200	0.5 ml	RBK061-05

**c-erbB1**

Please refer to EGFr.

c-erbB2

Please refer to HER2.

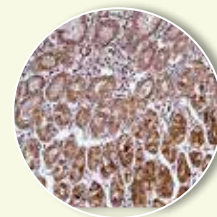
c-erbB3

Please refer to HER3.

CA 9 (Carbonic Anhydrase 9)

Clone: SP106
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.5 ml	503-4062
			1 ml	503-4064



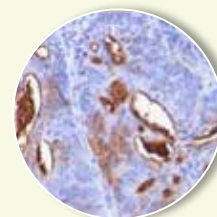
CA 15-3 Antigen

Please refer to MUC1.

CA 19-9 Antigen (Colon)

Clone: 121SLE
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG094
	Concentrate	1:25 - 1:50	0.5 ml	MSK094-05



CA 125

Clone: Ov185:1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG110

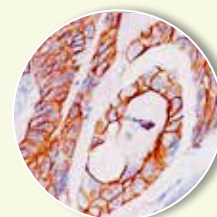
Cadherin

Please refer to E-Cadherin, N-Cadherin und Ksp-Cadherin.

Cadherin 17

Clone: 1H3
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG105
	Concentrate	1:100 - 1:200	0.5 ml	MSK105-05



Cadherin 17

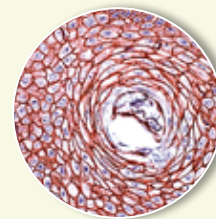
Clone: SP183
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	503-4830
			0.5 ml	503-4832
			1 ml	503-4834

Cadherin (Pan)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

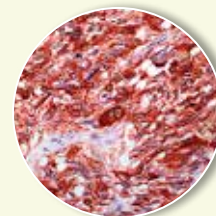
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	503-2364



Calcitonin

Clone: SP17
Host: Rabbit
Reactivity: HU, MS, RT, DG,
 PG, HS, SH
Pretreat.: Citrate
Status: RUO

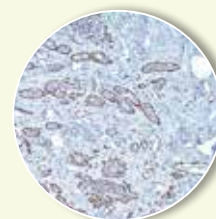
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	0.5 ml	RBK038-05
			1 ml	RBK038



Caldesmon

Clone: E-89
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG040
	Concentrate	1:25 - 1:100	0.5 ml	RBK040-05



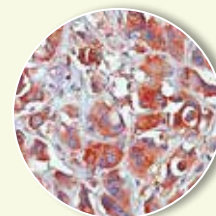
CALLA

Please refer to CD10.

Calpain

Clone: SP81
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

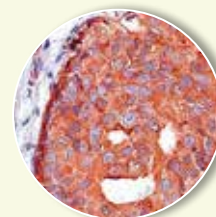
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	503-3814



Calpastatin

Clone: SP82
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

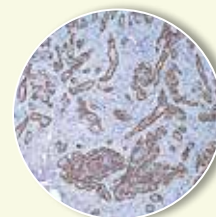
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	503-3824



Calponin-1

Clone: EP789Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

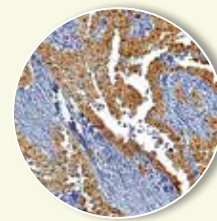
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG041
	Concentrate	1:50 - 1:200	0.5 ml	RBK041-05



Calretinin

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG003
			16 ml	BRB022
	Concentrate	1:100 - 1:200	0.5 ml	RBK003-05
			1 ml	RBK003



Carbonic Anhydrase IX (CA IX)

Please refer to CA 9.

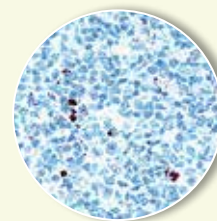
Carcinoembryonic Antigen

Please refer to CEA.

Caspase-3, cleaved (CPP32)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

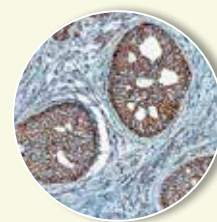
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50 - 1:200	0.5 ml	RBK009-05



Catenin (beta)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	503-2261
P, WB	Concentrate	1:250	0.1 ml	503-2260
			0.5 ml	503-2262
			1 ml	503-2264



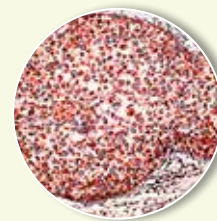
Catenin delta

Please refer to p120.

Cathepsin D

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

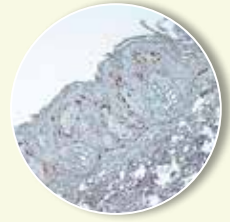
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50	1 ml	503-2824



CD1a

Clone: EP3622
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

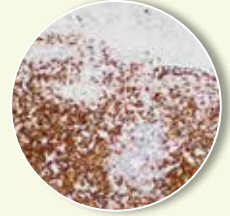
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG045
	Concentrate	1:25 - 1:100	0.5 ml	RBK045-05



CD3

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

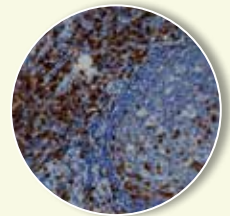
Method	Format	Dilution	Amount	Cat. No.	
F, P	Ready-to-use	-	6 ml	RBG015	
			16 ml	BRB063	
	Concentrate		1:200 - 1:400	0.5 ml	RBK015-05
			1 ml	RBK015	



CD3

Clone: SP7
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO, *CE/IVD

Method	Format	Dilution	Amount	Cat. No.	
F, P	Ready-to-use	-	6 ml	RBG024	
			16 ml	BRB041*	
F, P, WB	Concentrate		1:150 - 1:200	0.5 ml	RBK024-05
			1 ml	RBK024	



CD4

Clone: SP35
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

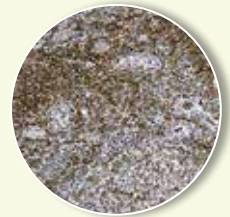
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	16 ml	BRB042



CD4

Clone: SP35
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: RUO

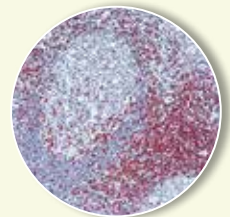
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50	1 ml	503-3354



CD5

Clone: SP19
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50 - 1:100	0.5 ml	RBK023-05

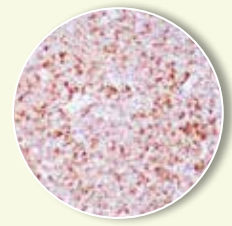




CD5

Clone: 4C7
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG120
	Concentrate	1:100	0.5 ml	MSK120-05



CD7

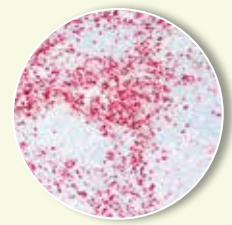
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:200	0.1 ml	503-18930
			0.5 ml	503-18932
			1 ml	503-18934

CD8

Clone: SP16
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

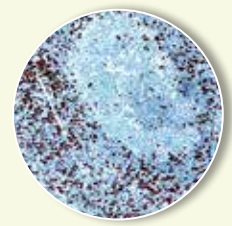
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	16 ml	BRB036



CD8

Clone: C8/144B
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

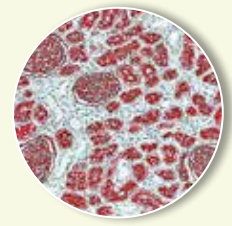
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG011
			0.5 ml	MSK011-05
	Concentrate		1:100	1 ml



CD10 (CALLA)

Clone: 56C6
Host: Mouse
Reactivity: HU, RT
Pretreat.: Citrate
Status: CE/IVD

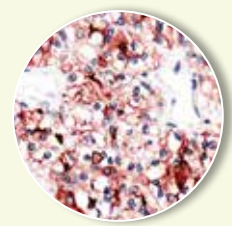
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG070
			16 ml	BMS043
	Concentrate		0.5 ml	MSK070-05
			1 ml	MSK070



CD10 (CALLA)

Clone: SP67
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

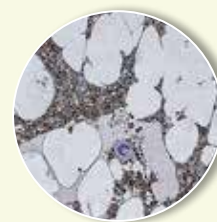
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	503-3670
			0.5 ml	503-3672
			1 ml	503-3674



CD11c

Clone: 5D11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

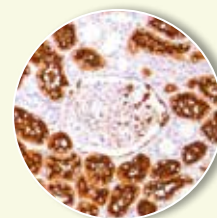
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG093
	Concentrate	1:50 - 1:100	0.5 ml	MSK093-05



CD13

Clone: SP182
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

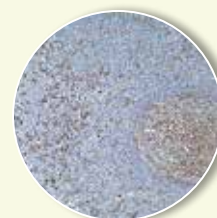
Method	Format	Dilution	Amount	Cat. No.
P, FL	Concentrate	1:100	0.1 ml	503-4820
			0.5 ml	503-4822
			1 ml	503-4824



CD14

Clone: EPR3653
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

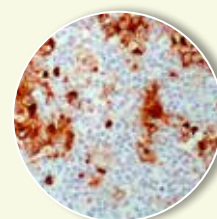
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50 - 1:200	0.5 ml	RBK033-05



CD15

Clone: MMA + BY87
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD, *RUO

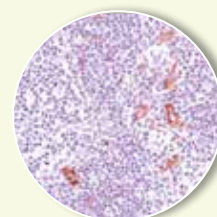
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG108
			16 ml	BMS066*
	Concentrate	1:50 - 1:100	0.5 ml	MSK108-05



CD16a

Clone: SP189
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

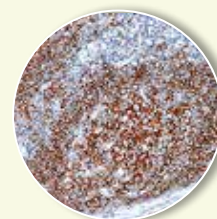
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	506-4891
P, WB	Concentrate	1:100	0.1 ml	506-4890
			0.5 ml	506-4892
			1 ml	506-4894



CD19

Clone: LE-CD19
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

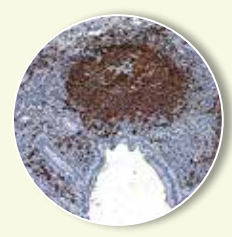
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100 - 1:200	0.5 ml	MSK043-05



CD20

Clone: L26
Host: Mouse
Reactivity: HU
Pretreat.: optional: Citrate
Status: CE/IVD

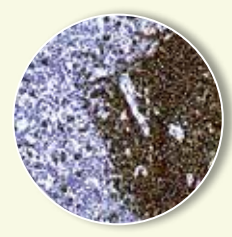
Method	Format	Dilution	Amount	Cat. No.	
F, P	Ready-to-use	-	6 ml	MSG008	
			16 ml	BMS003	
	Concentrate		1:100 - 1:200	0.5 ml	MSK008-05
			1 ml	MSK008	



CD20

Clone: SP32
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

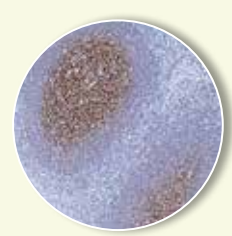
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.5 ml	RBK030-05
			1 ml	RBK030



CD21

Clone: EP3093
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

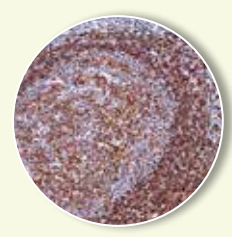
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG036
	Concentrate	1:50 - 1:200	0.5 ml	RBK036-05



CD22

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

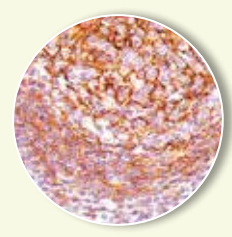
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:200	0.1 ml	503-19020
			0.5 ml	503-19022
			1 ml	503-19024



CD23

Clone: SP163
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

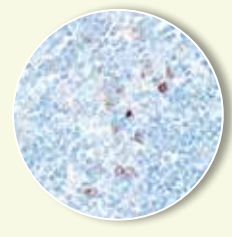
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:50	0.5 ml	503-4632
			1 ml	503-4634



CD25

Clone: SP176
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:200	0.1 ml	503-4760
			0.5 ml	503-4762
			1 ml	503-4764

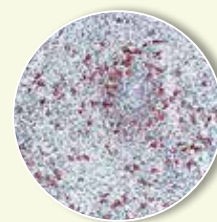


Reactivity: BV=Cow; CH=Chicken; DG=Dog; FE=Cat; FG=Frog; GT=Goat; GP=Guinea pig; HM=Hamster; HS=Horse; HU=Human; MO=Monkey; MS=Mouse; PG=Pig; RB=Rabbit; RT=Rat; SH=Sheep; XE=Xenopus; ZF=Zebra fish a. o.= and others
Method: EL=ELISA; F=frozen sections IHC; FL=Flow Cytometry; IF=Immunofluorescence; IP=Immunoprecipitation; P=paraffin section IHC; WB=Western Blot
Status: CE/IVD=for in vitro diagnostic use; RUO=Research use only

CD30 (Ki-1)

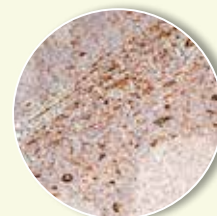
Clone: Ber-H2
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG061
			0.5 ml	MSK061-05
	Concentrate		1:40 - 1:80	1 ml

**CD31 (PECAM-1)**

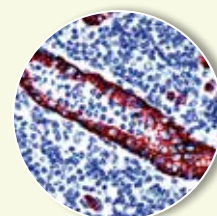
Clone: JC70
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO, *CE/IVD

Method	Format	Dilution	Amount	Cat. No.	
F, P	Ready-to-use	-	6 ml	MSG091	
			16 ml	BMS044*	
	Concentrate		1:50 - 1:200	0.5 ml	MSK091-05
			1 ml	MSK091	

**CD31 (PECAM-1)**

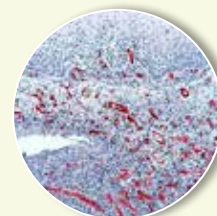
Clone: SP38
Host: Rabbit
Reactivity: HU, MS, PG
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	503-3381
	Concentrate	1:50	1 ml	503-3384

**CD34**

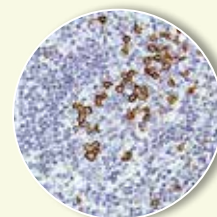
Clone: QBEnd/10
Host: Mouse
Reactivity: HU
Pretreat.: optional: Citrate
Status: RUO, *CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	16 ml	BMS045*
			0.5 ml	MSK122-05
	Concentrate		1:50 - 1:200	1:50 - 1:200

**CD38**

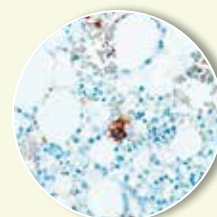
Clone: SP149
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	503-4491
P, FL	Concentrate	1:100	0.1 ml	503-4490
			0.5 ml	503-4492
			1 ml	503-4494

**CD42b**

Clone: SP202
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.	
P	Ready-to-use	-	7 ml	503-5021	
			0.1 ml	503-5020	
	Concentrate		1:100	0.5 ml	503-5022
			1 ml	503-5024	



CD42b

Clone: SP219
Host: Rabbit
Reactivity: HU
Pretreat.: Citrat
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, FL	Concentrate	1:100	0.1 ml	503-5190
			0.5 ml	503-5192
			1 ml	503-5194

CD43

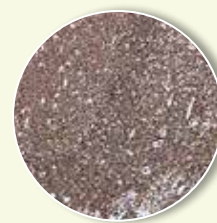
Clone: DF-T1
Host: Mouse
Reactivity: HU, RT
Pretreat.: Citrate (optional)
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50 - 1:100	0.5 ml	MSK065-05
			1 ml	MSK065

CD45 (LCA)

Clone: PD7/26+2B11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

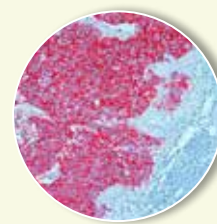
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG054
			16 ml	BMS046
	Concentrate	1:50 - 1:100	0.5 ml	MSK054-05
			1 ml	MSK054



CD56

Clone: RCD56
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: EDTA
Status: CE/IVD

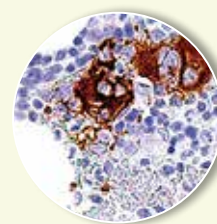
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG050
			16 ml	BRB039
P, WB	Concentrate	1:100 - 1:500	0.5 ml	RBK050-05
			1 ml	RBK050



CD61

Clone: 2f2
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

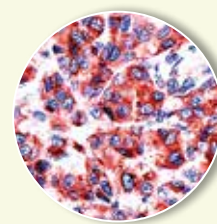
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG086
			0.5 ml	MSK086-05
	Concentrate	1:25 - 1:100	1 ml	MSK086



CD63

Clone: SPM524
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:200	1 ml	503-17514



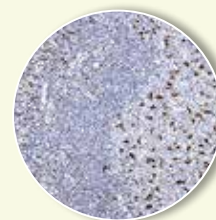
CD66

Please refer to CEA.

CD68

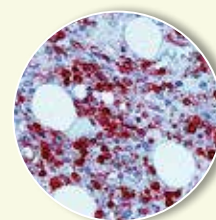
Clone: KP1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG055
	Concentrate	1:50 - 1:100	0.5 ml	MSK055-05
			1 ml	MSK055

**CD79a**

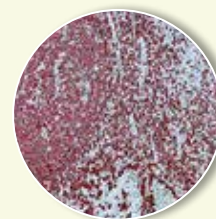
Clone: JCB117
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG036
			16 ml	BMS005
	Concentrate	1:50 - 1:100	0.5 ml	MSK036-05
			1 ml	MSK036

**CD79a**

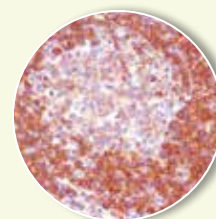
Clone: SP18
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG029
	Concentrate	1:100 - 1:200	0.5 ml	RBK029-05
			1 ml	RBK029

**CD79b**

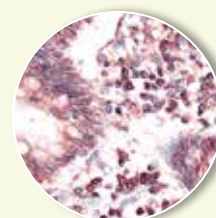
Clone: SP240
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	503-5400
			0.5 ml	503-5402
			1 ml	503-5404

**CD95 (Fas, Apo-1)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

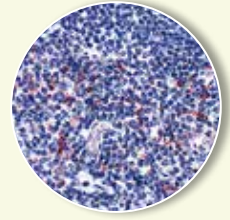
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:60	1 ml	503-2504



CD95L (Fas Ligand)

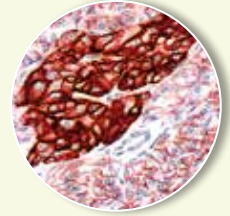
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	506-2714

**CD99**

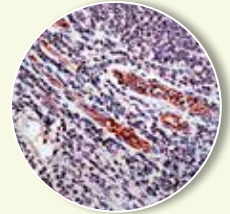
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:200	0.1 ml	503-3390
			0.5 ml	503-3392
			1 ml	503-3394

**CD105 (Endoglin, TGF-beta1/3-Receptor)**

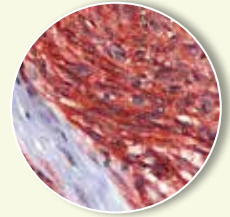
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50	1 ml	503-4234

**CD117/c-kit**

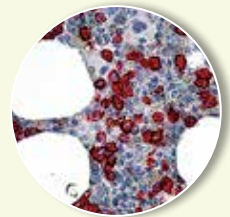
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	503-1441
	Concentrate	1:100	0.1 ml	503-1440
			0.5 ml	503-1442
			1 ml	503-1444

**CD138 (Syndecan-1)**

Clone: B-A38
Host: Mouse
Reactivity: HU, PG
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG063
	Concentrate	1:200	0.5 ml	MSK063-05
			1 ml	MSK063

**CD140a**

Please refer to PDGFr-alpha.

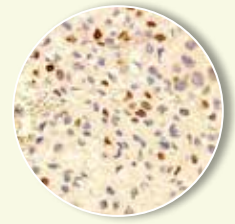
CD140b

Please refer to PDGFr-beta.

CD163

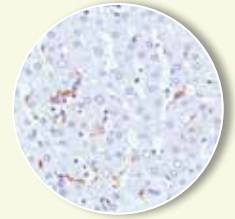
Clone: SP96
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	503-3964

**CD169**

Clone: SP213
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	519-5130
			0.5 ml	519-5132
			1 ml	519-5134

**CD178**

Please refer to CD95L.

CD207

Please refer to Langerin.

CD227

Please refer to MUC1 und EMA.

CD246

Please refer to ALK.

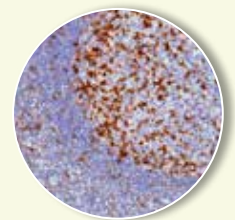
CD274

Please refer to PD-L1.

CD278

Clone: SP98
Host: Rabbit
Reactivity: HU, MS
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	509-3980
			0.5 ml	509-3982
			1 ml	509-3984

**CD279**

Please refer to PD1.

CD308

Please refer to VEGFr-1 (Flt-1).

CD309

Please refer to VEGFr-2 (Flk-1).

CD310

Please refer to VEGFr-3 (Flt-4).

CD324

Please refer to E-Cadherin.

CD326

Please refer to Epithelial Specific Antigen.

CD331 - CD333

Please refer to FGFR1 bis FGFR3.

CD380

Please refer to HER2.

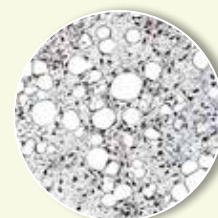
CDH17

Please refer to Cadherin 17.

Cdk4 (Cyclin dependent Kinase)

Clone: DCS-31.2
Host: Mouse
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB,	Concentrate	1:100 - 1:250	100 µg	603-1840

**CDw325**

Please refer to N-Cadherin.

CDX-2

Clone: EPR2764Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

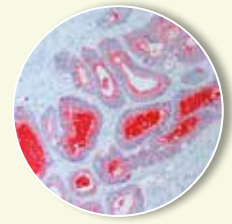
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG019
			16 ml	BRB028
	Concentrate	1:50 - 1:100	0.5 ml	RBK019-05
			1 ml	RBK019



CEA

Clone: Col-1
Host: Mouse
Reactivity: HU
Pretreat.: -
Status: CE/IVD

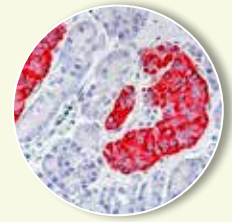
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG022
			16 ml	BMS029
	Concentrate	1:100 - 1:200	0.5 ml	MSK022-05
			1 ml	MSK022



Chromogranin A

Clone: LK2H10
Host: Mouse
Reactivity: HU, PG
Pretreat.: -
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG062
			16 ml	BMS018
	Concentrate	1:200 - 1:400	0.5 ml	MSK062-05
			1 ml	MSK062



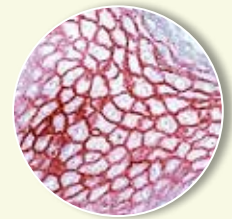
cKit

Please refer to CD117.

Claudin 1

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

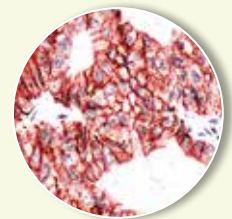
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	503-3411
	Concentrate	1:200	1 ml	503-3414



Claudin 4

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

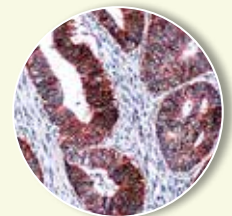
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:200	0.1 ml	503-3980
			0.5 ml	503-3982
			1 ml	503-3984



Claudin 7

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:200	1 ml	503-10594



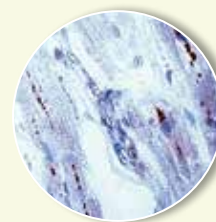
CMV

Please refer to Cytomegalovirus.

Connexin 43

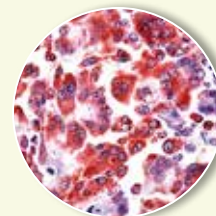
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:50	1 ml	503-2744

**COX-1**

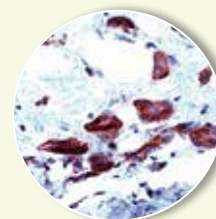
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	503-14314

**COX-2**

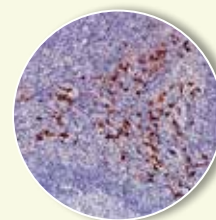
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	503-3031
F, P, WB, IP	Concentrate	1:100	1 ml	503-3034

**CTLA4**

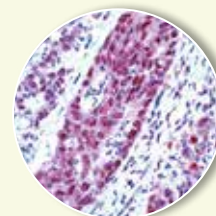
Clone: UMAB249
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG116
	Concentrate	1:100	0.5 ml	MSK116-05

**CUL-1, Cullin 1**

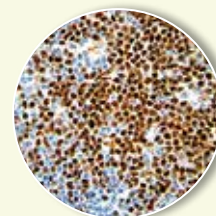
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	0.1 ml	503-3790
			0.5 ml	503-3792

**Cyclin D1**

Clone: SP4
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate or EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50 - 1:100	0.5 ml	RBK025-05

**Cyclin D3**

Clone: SP207
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	503-5070
			0.5 ml	503-5072
			1 ml	503-5074

Cyclin Dependent Kinase

Please refer to Cdk.

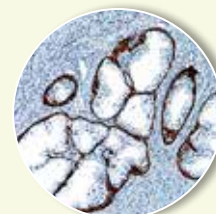
Cyclooxygenase

Please refer to COX-1 und COX-2.

Cytokeratin 5 & 6

Clone: D5/16B4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

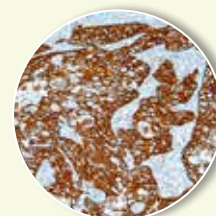
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG034
			16 ml	BMS017
	Concentrate	1:50 - 1:100	0.5 ml	MSK034-05
			1 ml	MSK034



Cytokeratin 5 & 14

Clone: XM26+LL002
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

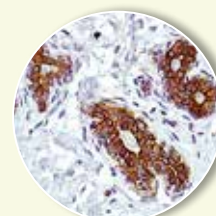
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG106
			16 ml	BMS023
	Concentrated	1:50 - 1:100	0.5 ml	MSK106-05
			1 ml	MSK106



Cytokeratin 6

Clone: SP87
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

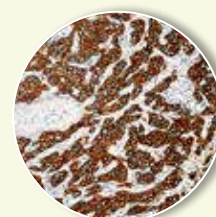
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:200	0.1 ml	503-3870
			0.5 ml	503-3872
			1 ml	503-3874



Cytokeratin 7

Clone: OV-TL 12/30
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or
 Fast Enzyme
Status: CE/IVD

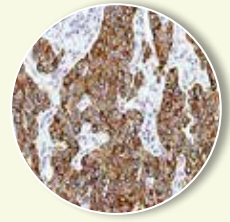
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG032
			16 ml	BMS030
	Concentrate	1:100 - 1:200	0.5 ml	MSK032-05
			1 ml	MSK032



Cytokeratin 8

Clone: SP102
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

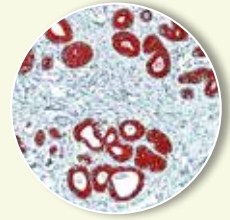
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	503-4021
	Concentrate	1:100	0.1 ml	503-4020
			0.5 ml	503-4022
			1 ml	503-4024



Cytokeratin 8 & 18

Clone: IVT2000
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or
 Fast Enzyme
Status: RUO

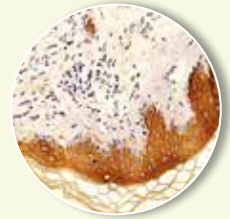
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG035
	Concentrate	1:100 - 1:200	0.5 ml	MSK035-05
			1 ml	MSK035



Cytokeratin 10

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

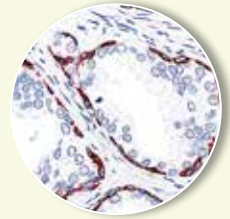
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	503-18980



Cytokeratin 14

Clone: SP53
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

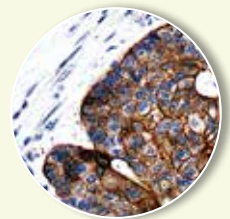
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	503-3534



Cytokeratin 17

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

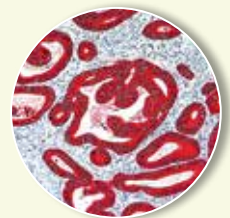
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:200	1 ml	503-18924



Cytokeratin 18

Clone: DC-10
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or
 Fast Enzyme
Status: RUO

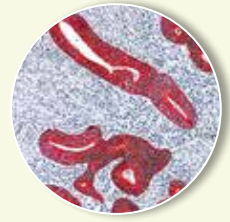
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG016
	Concentrate	1:100 - 1:200	0.5 ml	MSK016-05
			1 ml	MSK016



Cytokeratin 19

Clone: A53-B/A2.26
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG017
			0.5 ml	MSK017-05
	Concentrate	1:200 - 1:300	1 ml	MSK017

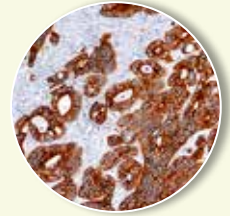


Cytokeratin 20

NEW

Clone: Ks20.8
Host: Mouse
Reactivity: HU
Pretreat.: proteolytic
Status: CE/IVD

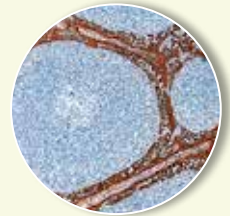
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG119
			16 ml	BMS037
	Concentrate	1:25 - 1:50	0.5 ml	MSK119-05
			1 ml	MSK119



Cytokeratin Broad Spectrum

Clone: AE1+AE3
Host: Mouse
Reactivity: HU, MS, RT, DG
Pretreat.: Citrate or
 Fast Enzyme
Status: CE/IVD

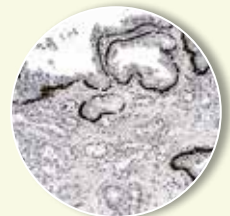
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG019
			16 ml	BMS006
	Concentrate	1:100 - 1:200	0.5 ml	MSK019-05
			1 ml	MSK019



Cytokeratin (HMW)

Clone: 34betaE12
Host: Mouse
Reactivity: HU, RB, DG
Pretreat.: Citrate, Pepsin
 or Fast Enzyme
Status: CE/IVD

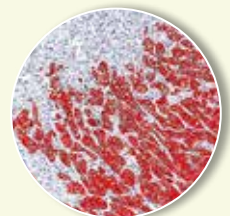
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG027
			16 ml	BMS015
	Concentrate	1:25 - 1:50	0.5 ml	MSK027-05
			1 ml	MSK027



Cytokeratin (OSCAR)

Clone: OSCAR
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	Z-465-26-Y
	Concentrate	1:40	1 ml	Z-465-01-Y

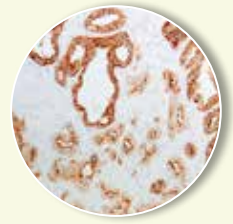


Cytokeratin Pan



Clone: KL1
Host: Mouse
Reactivity: HU, RT, MS, RB, FE, DG, ZF
Pretreat.: Citrate
Status: CE/IVD

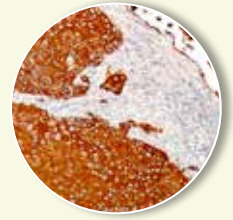
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG113
			16 ml	BMS056
	Concentrate	1:100	0.5 ml	MSK113-05
			1 ml	MSK113



Cytokeratin Pan Plus (AE1 & AE3 & 5D3)

Clone: AE1+AE3+5D3
Host: Mouse
Reactivity: HU, MS, RT
Pretreat.: Citrate, EDTA or proteolytic
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG098
			16 ml	BMS057
	Concentrate	1:50 - 1:100	0.5 ml	MSK098-05



Cytomegalovirus (CMV)



Clone: DDG9+CCH2
Host: Mouse
Reactivity: CMV
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG121
	Concentrate	1:10 - 1:25	0.5 ml	MSK121-05

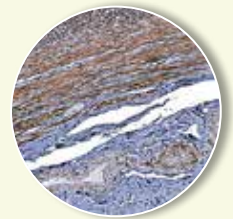
D2-40 (Lymphatic Endothelium Marker)

Please refer to Podoplanin.

Desmin

Clone: D33
Host: Mouse
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: CE/IVD

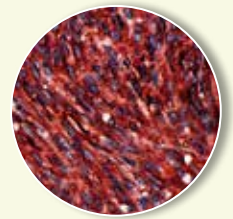
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG053
			16 ml	BMS007
	Concentrate	1:25 - 1:50	0.5 ml	MSK053-05
			1 ml	MSK053



DOG1

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

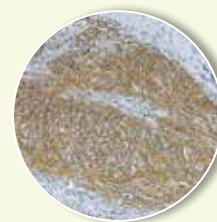
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	516-16711
	Concentrate	1:100	1 ml	516-16714



DOG1

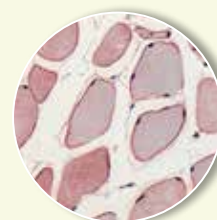
Clone: SP31
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	504-3310
			0.2 ml	504-3315
			0.5 ml	504-3312
			1 ml	504-3314

**Dysferlin**

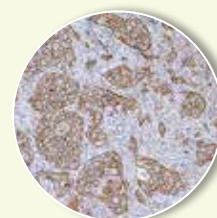
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:50	1 ml	504-2674

**E-Cadherin**

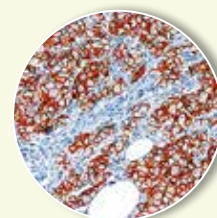
Clone: EP700Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG043
			16 ml	BRB047
	Concentrate	1:50 - 1:200	0.5 ml	RBK043-05
			1 ml	RBK043

**E-Cadherin**

Clone: ECH-6
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG033
			0.5 ml	MSK033-05
	Concentrate	1:100	1 ml	MSK033

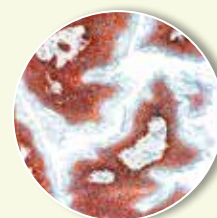
**EBV**

Please refer to Epstein-Barr-Virus.

EGFR

Clone: 2-1E1
Host: Mouse
Reactivity: HU
Pretreat.: Fast Enzyme
or Pepsin
Status: RUO

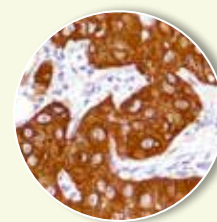
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100 - 1:200	0.5 ml	MSK014-05



EGFR (E746-A750del)

Clone: SP111
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

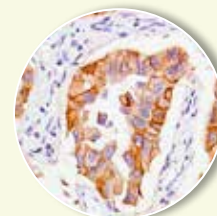
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	505-4110
			0.5 ml	505-4112
			1 ml	505-4114



EGFR (L858R)

Clone: SP125
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

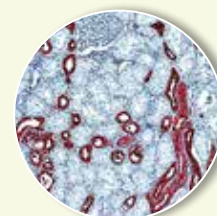
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	505-4251
P, WB	Concentrate	1:100	0.1 ml	505-4250
			0.5 ml	505-4252
			1 ml	505-4254



EMA (Epithelial Membrane Antigen)

Clone: E29
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG059
	Concentrate	1:200 - 1:400	0.5 ml	MSK059-05
			1 ml	MSK059



Endoglin

Please refer to CD105.

Ep-CAM

Please refer to Epithelial Specific Antigen.

Epidermal Growth Factor Receptor

Please refer to EGFR.

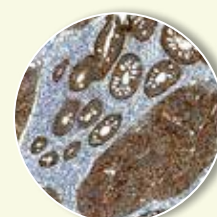
Epithelial Membrane Antigen

Please refer to EMA.

Epithelial Specific Antigen (ESA, Ep-CAM)

Clone: MOC-31
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

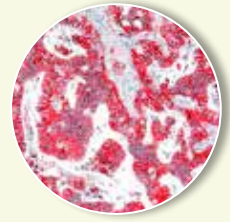
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG066
	Concentrate	1:50 - 1:100	0.5 ml	MSK066-05
			1 ml	MSK066



Epithelial Specific Antigen (ESA, Ep-CAM)

Clone: Ber-EP4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or
 Fast Enzyme
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	16 ml	BMS048
	Concentrated	1:100 - 1:200	0.5 ml	MSK109-05
			1 ml	MSK109



Epstein-Barr Virus Cocktail



Clone: CS1, CS2, CS3, CS4
Host: Mouse
Reactivity: EBV
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG114
	Concentrate	1:25 - 1:50	0.5 ml	MSK114-05

ERG

Clone: 9FY
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG090
	Concentrate	1:50 - 1:100	0.5 ml	MSK090-05



Erwing's Sarcoma Marker

Please refer to CD99.

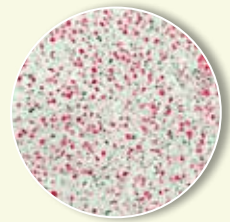
ESA

Please refer to Epithelial Specific Antigen.

Estrogen Receptor

Clone: SP1
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO, *CE/IVD

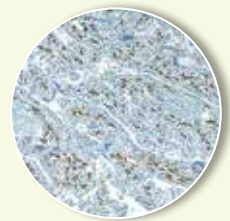
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG018
			16 ml	BRB053*
	Concentrate	1:200	0.5 ml	RBK018-05
			1 ml	RBK018



Factor XIIIa (Fibrinolyase, Plasma Transglutaminase)

Clone: EP3372
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG044
	Concentrate	1:100 - 1:500	0.5 ml	RBK044-05
			1 ml	RBK044



FAS

Please refer to CD95.

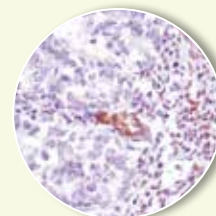
FAS Ligand

Please refer to CD95L.

FBXW7

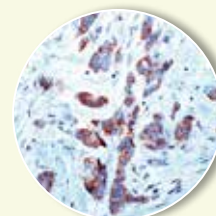
Clone: SP237
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, FL	Concentrate	1:100	0.1 ml	506-5370
			0.5 ml	506-5372
			1 ml	506-5374

**FGFr1 (Fibroblast Growth Factor Receptor)**

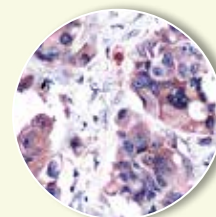
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	506-10581
	Concentrate	1:50	1 ml	506-10584

**FGFr2 (Fibroblast Growth Factor Receptor)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	506-10574

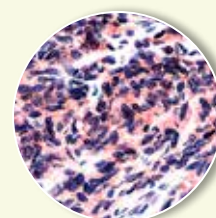
**Fibrinolyase**

Please refer to Factor XIIIa.

Fli-1

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Volume	Cat. No.
P	Ready-to-use	-	7 ml	506-4281
	Concentrate	1:50	1 ml	506-4284

**Flt-1**

Please refer to VEGFr-1.

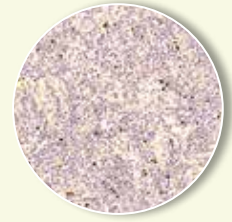
Flt-4

Please refer to VEGFr-3.

FOXP3

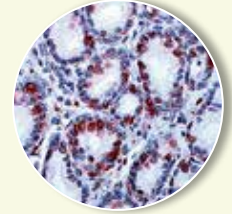
Clone: SP97
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	506-3970
			0.5 ml	506-3972
			1 ml	506-3974

**Gastrin-1**

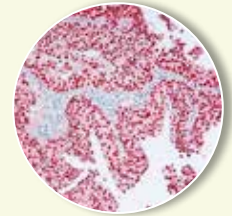
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	507-4491
	Concentrate	1:200	0.1 ml	507-4490
			1 ml	507-4494

**GATA3**

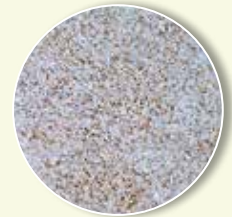
Clone: L50-823
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG100
			16 ml	BMS054
	Concentrate	1:100 - 1:200	0.5 ml	MSK100-05

**GCDFP-15 (Gross Cystic Disease Fluid Protein, BRST-2)**

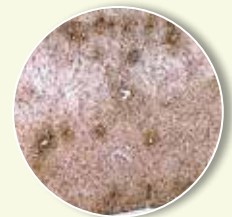
Clone: EP1582Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG032
	Concentrate	1:25-1:100	0.5 ml	RBK032-05

**GFAP (Glial Fibrillary Acidic Protein)**

Clone: EP672Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG037
	Concentrate	1:25 - 1:100	0.5 ml	RBK037-05
			1 ml	RBK037

**GLUT-1 (Glucose Transporter 1)**

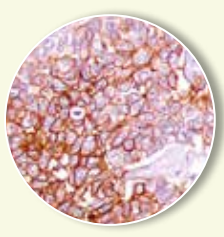
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	16 ml	BRB049

GLUT-1 (Glucose Transporter 1)

Clone: SP168
Host: Rabbit
Reactivity: HU, BV, CK, MS, PG, RB, RT
Pre-treat.: Citrate
Status: RUO

Method	Format	Dilution	Volume	Cat. No.
P, WB	Concentrate	1:200	0.1 ml	507-4680
			0.5 ml	507-4682
			1 ml	507-4684



Glypican-3

Clone: 1G12
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD, *RUO

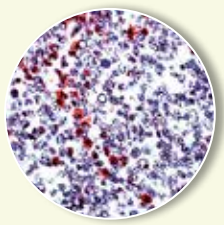
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG067
			16 ml	BMS059*
	Concentrate	1:100 - 1:500	0.5 ml	MSK067-05



Granzyme B

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	507-2581
	Concentrate	1:100	0.1 ml	507-2580
			0.5 ml	507-2582
			1 ml	507-2584



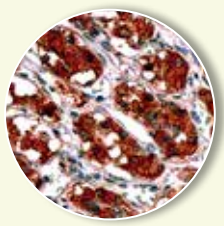
Gross Cystic Disease Fluid Protein

Please refer to GCDFP.

Growth Hormone, Human (hGH)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, RT
Pretreat.: Citrate
Status: RUO

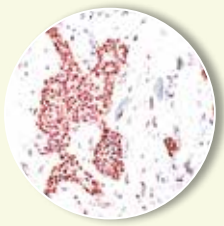
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	507-17471
	Concentrate	1:200	0.5 ml	507-17472
			1 ml	507-17474



Heat Shock Protein 70 (HSP70)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	0.1 ml	508-12330
			0.5 ml	508-12332
			1 ml	508-12334

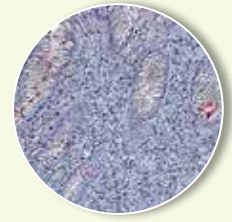


Reactivity: BV=Cow; CH=Chicken; DG=Dog; FE=Cat; FG=Frog; GT=Goat; GP=Guinea pig; HM=Hamster; HS=Horse; HU=Human; MO=Monkey; MS=Mouse; PG=Pig; RB=Rabbit; RT=Rat; SH=Sheep; XE=Xenopus; ZF=Zebra fish a. o.= and others
Method: EL=ELISA; F=frozen sections IHC; FL=Flow Cytometry; IF=Immunofluorescence; IP=Immunoprecipitation; P=paraffin section IHC; WB=Western Blot
Status: CE/IVD=for in vitro diagnostic use; RUO=Research use only

Helicobacter pylori

Clone: polyclonal
Host: Rabbit
Reactivity: *Helicobacter pylori*
Pretreat.: Citrate
Status: CE/IVD

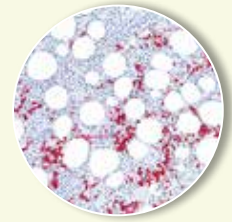
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG012
			16 ml	BRB032
	Concentrate	1:200 - 1:400	0.5 ml	RBK012-05
			1 ml	RBK012



Hemoglobin A

Clone: EPR3608
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100 - 1:500	0.5 ml	RBK035-05



HER1

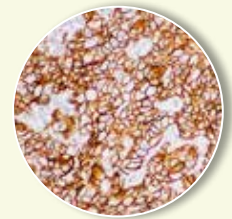
Please refer to EGFr.

HER2 (c-erbB-2)



Clone: EP3
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

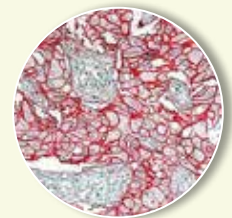
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG067
			0.5 ml	RBK067-05
	Concentrate	1:50 - 1:100	1 ml	RBK067



HER2 (c-erbB-2) Extracellular domain

Clone: SP3
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

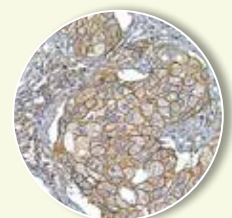
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG026
			0.5 ml	RBK026-05
	Concentrate	1:25 - 1:50	1 ml	RBK026



HER2 (c-erbB-2) Intracellular domain

Clone: CB11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

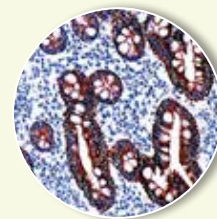
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG044
			16 ml	BMS014
	Concentrate	1:50 - 1:200	0.5 ml	MSK044-05
			1 ml	MSK044



HER3 (c-erbB-3)

Clone: SP71
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	508-3711
	Concentrate	1:100	1 ml	508-3714

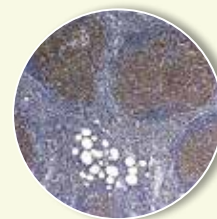
**Herpes Simplex Virus**

Please refer to HSV.

HGAL (GCET2)

Clone: ZSHG
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG088
	Concentrate	1:100 - 1:500	0.5 ml	MSK088-05

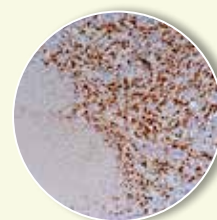
**HGH**

Please refer to Growth Hormone, human.

HHV-8 (Human Herpes Virus 8)

Clone: 13B10
Host: Mouse
Reactivity: HHV8
Pretreat.: Citrate or EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG085
	Concentrate	1:50 - 1:200	0.5 ml	MSK085-05

**HMB45**

Please refer to Melanosome.

HSP

Please refer to Heat Shock Protein.

HSV Cocktail

Clone: polyclonal + DBM15.69
Host: Rabbit + Mouse
Reactivity: HSV I & II
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	COG006

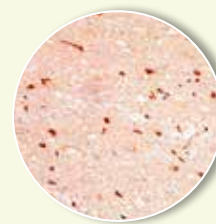
Human Herpes Virus

Please refer to HHV.

IDH1 R132H

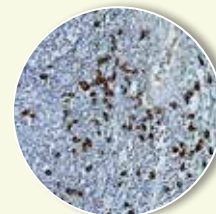
Clone: IHC132
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG118
	Concentrate	1:100 - 1:200	0.1 ml	MSK118-01
			0.5 ml	MSK118-05

**IgG4**

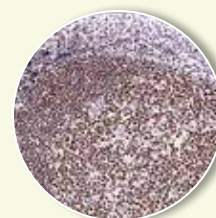
Clone: ZSIGG4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG084
	Concentrate	1:100-1:500	0.5 ml	MSK084-05

**IKAROS**

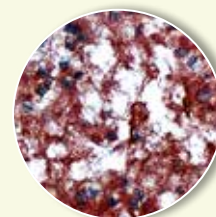
Clone: SP108
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	509-4084

**Inhibin alpha**

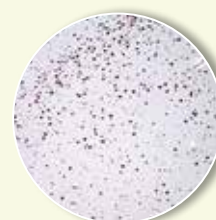
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	0.1 ml	505-17390

**INI-1**

Clone: ZS11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100 - 1:500	0.5 ml	MSK078-05

**Insulin**

Clone: 2D11
Host: Mouse
Reactivity: HU, BV, PG
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, EL	Purified	-	200 µg	609-0755

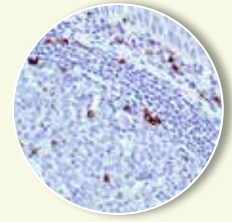
Integrin beta 3

Please refer to CD61.

J-Chain

Clone: SP105
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

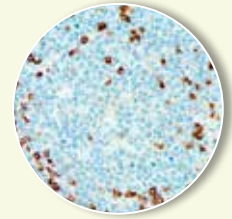
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	510-4054



Kappa Light Chain

Clone: SP148
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

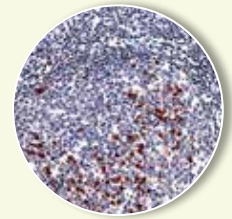
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	511-4481
P, WB	Concentrate	1:100	0.1 ml	511-4480
			0.5 ml	511-4482
			1 ml	511-4484



Kappa Light Chain

Clone: SPM508
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:200	1 ml	511-16524



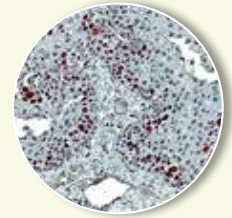
Ki-1

Please refer to CD30.

Ki-67

Clone: SP6
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: CE/IVD

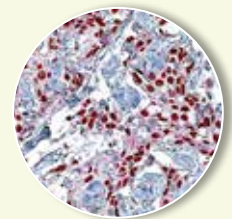
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG027
			16 ml	BRB040
	Concentrate	1:200	0.5 ml	RBK027-05
			1 ml	RBK027



Ki-67

Clone: K-2
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

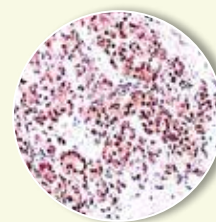
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG018
			0.5 ml	MSK018-05
	Concentrate	1:200 - 1:400	1 ml	MSK018



KOC/L523S (IMP3)

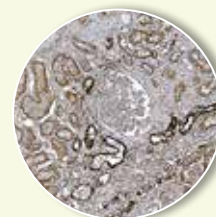
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	511-18311
	Concentrate	1:100	0.1 ml	511-18310
			0.5 ml	511-18312
			1 ml	511-18314

**Ksp-Cadherin**

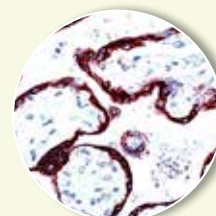
Clone: ZSCA1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG068
	Concentrate	1:100 - 1:200	0.5 ml	MSK068-05
			1 ml	MSK068

**Lactogen, placental (hPL)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Ready-to-use	-	7 ml	516-2981
	Concentrate	1:250	1 ml	516-2984

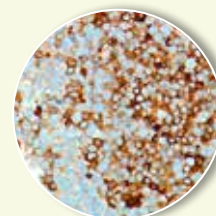
**Lactogenic Hormone**

Please refer to Prolactin.

Lambda Light Chain

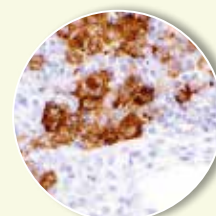
Clone: SP147
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	512-4470
			0.5 ml	512-4472
			1 ml	512-4474

**Langerin**

Clone: 12D6
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG103
	Concentrate	1:25 - 1:100	0.5 ml	MSK103-05

**LCA**

Please refer to CD45.

Leukosialin

Please refer to CD43.

LI-Cadherin

Please refer to Cadherin 17.

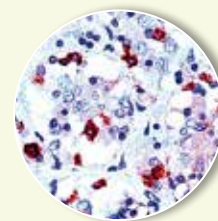
LTH

Please refer to Prolactin.

Luteinizing Hormone (LH)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

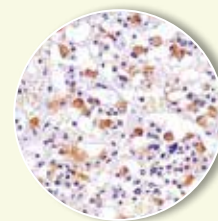
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:500	1 ml	512-17484



Luteinizing Hormone (LH)

Clone: SP132
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	512-4320
			0.5 ml	512-4322
			1 ml	512-4324



Luteotropic Hormone (LTH)

Please refer to Prolactin.

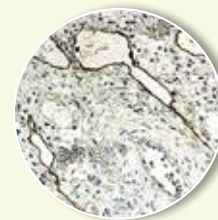
Lymphatic Endothelium Marker

Please refer to Podoplanin.

LYVE-1

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50 - 1:100	0.5 ml	RBK014-05



Macrophage Antigen

Please refer to CD68.

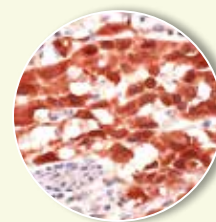
Macrosialin

Please refer to CD68.

MAGE-1

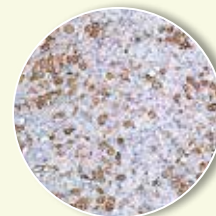
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:200	1 ml	513-4504

**Mammaglobin**

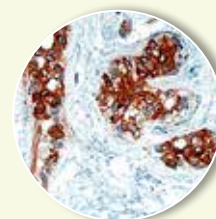
Clone: 31A5
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG022
	Concentrate	1:100 -1:500	0.5 ml	RBK022-05

**Mammaglobin**

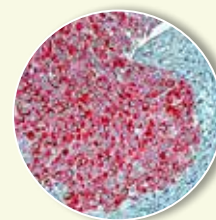
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100 - 1:200	0.5 ml	RBK007-05

**MART-1 (Melan-A)**

Clone: M2-7C10
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG056
	Concentrate	1:100-1:200	0.5 ml	MSK056-05
			1 ml	MSK056

**Mast Cell Tryptase**

Clone: AA1
Host: Mouse
Reactivity: HU, MO, DG, FE
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Purified	1:10.000	20 µg	613-0047

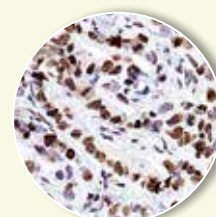
Matrix Metalloproteinase

Please refer to MMP.

MCM2

Clone: SP85
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

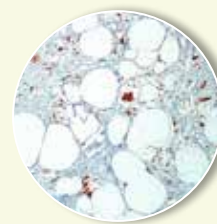
Method	Format	Dilution	Amount	Cat. No.
P, WB, FL	Concentrate	1:100	0.1 ml	513-3850
			0.5 ml	513-3852



MDM2 (Murine Double Minute 2)

Clone: 3G187
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB, IF	Concentrate	1:100 - 1:500	50 µg	113-0230



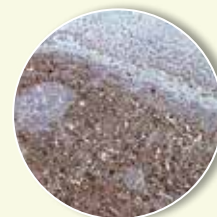
Melan A

Please refer to MART-1.

Melanoma Associated Antigen KBA.62

Clone: KBA.62
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

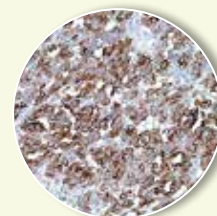
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG080
	Concentrate	1:25 - 1:100	0.5 ml	MSK080-05



Melanoma Associated Antigen PNL2

Clone: PNL2
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG082
	Concentrate	1:25 - 1:100	0.5 ml	MSK082-05



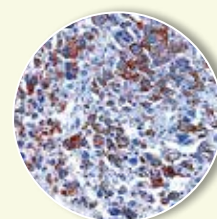
Melanoma (NKI/C3)

Please refer to CD63.

Melanosome (HMB45)

Clone: HMB45
Host: Mouse
Reactivity: HU, PG
Pretreat.: Citrate (optional)
Status: CE/IVD

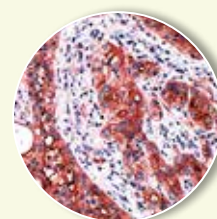
Method	Format	Dilution	Amount	Cat. No.	
F, P	Ready-to-use	-	6 ml	MSG007	
			16 ml	BMS010	
	Concentrate		1:50 - 1:100	0.5 ml	MSK007-05
			1 ml	MSK007	



Mesothelin

Clone: SP74
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.	
P	Ready-to-use	-	7 ml	513-3741	
			0.1 ml	513-3740	
	Concentrate		1:100	0.5 ml	513-3742
			1 ml	513-3744	



MIC2

Please refer to CD99.

Mismatch Repair Protein

Please refer to MLH, MSH und PMS.

MLH1

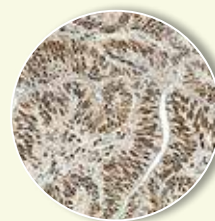
Clone: G168-15
Host: Mouse
Reactivity: HU, MS
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	16 ml	BMS033

MLH1 (including Antibody Diluent B)

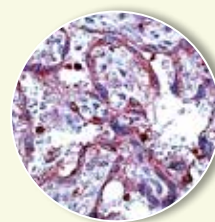
Clone: G168-15
Host: Mouse
Reactivity: HU, MS
Pretreat.: Citrate or EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:25 - 1:50	0.5 ml	MSK045-05

**MMP-9 (Matrix Metalloproteinase 9, Gelatinase B)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU a.o.
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	513-3664

**mmr Protein**

Please refer to MLH, MSH und PMS.

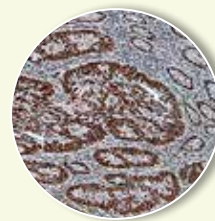
MOC-31

Please refer to Epithelial Specific Antigen.

MSH2 (MutS homologue 2, Mismatch Repair Protein)

Clone: FE11
Host: Mouse
Reactivity: HU, MS
Pretreat.: Citrate
Status: CE/IVD

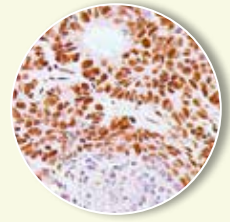
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG031
			16 ml	BMS034
	Concentrate	1:25 - 1:50	0.5 ml	MSK031-05



MSH6 (MutS homologue 6, Mismatch Repair Protein)

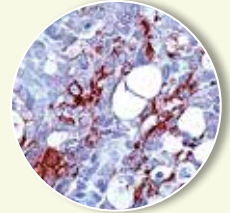
Clone: SP93
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	1 ml	513-3934

**MUC1 (Mucin 1, EMA, CD227, CA 15-3)**

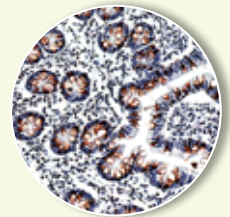
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:100	0.5 ml	513-3542
			1 ml	513-3544

**MUC2 (Mucin 2)**

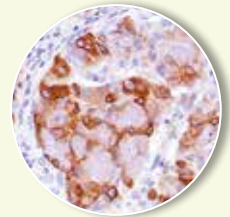
Clone: SPM512
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	513-16561
			0.1 ml	513-16560
	Concentrate	1:200	0.5 ml	513-16562
			1 ml	513-16564

**MUC4 (Mucin 4)**

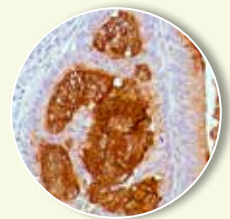
Clone: SP241
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	513-5410
			0.5 ml	513-5412
			1 ml	513-5414

**MUC5AC (Mucin 5AC)**

Clone: 45M1
Host: Mouse
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, FL, IF	Concentrate	1:100 - 1:200	0.5 ml	513-11082

**Mycobacterium tuberculosis**

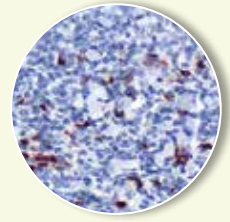
Clone: polyclonal
Host: Rabbit
Reactivity: *Mycobacterium tuberculosis*
Pretreat.: -
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Purified	-	1 ml	613-0282

Myeloperoxidase (MPO)

Clone: SP72
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	513-3720
			0.5 ml	513-3722
			1 ml	513-3724



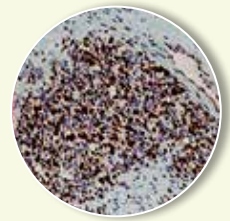
Myf4

Please refer to Myogenin.

Myogenin

Clone: MyG007
Host: Mouse
Reactivity: HU, MS, RT, FE
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG112
	Concentrate	1:100 - 1:200	0.5 ml	MSK112-05



Myoglobin

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: -
Status: RUO

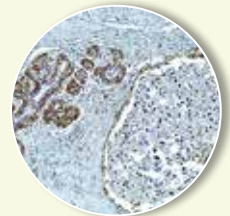
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	513-2991
P, WB	Concentrate	1:200	0.1 ml	513-2990
			0.5 ml	513-2992
			1 ml	513-2994



Myosin SM Heavy Chain

Clone: SMMS-1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

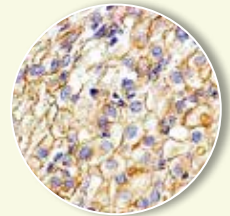
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG081
	Concentrate	1:100 - 1:500	0.5 ml	MSK081-05



N-Cadherin

Clone: SP90
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

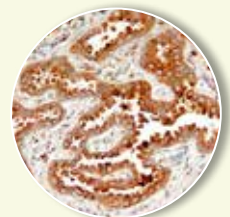
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	503-3900
			0.5 ml	503-3902
			1 ml	503-3904



Napsin A

Clone: BC15
Host: Rabbit
Reactivity: HU, MS, RT, DG, SH
Pretreat.: Citrate
Status: CE/IVD

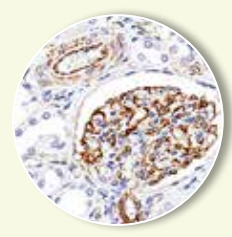
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG059
	Concentrate	1:100 - 1:200	0.5 ml	RBK059-05



Nestin

Clone: SP103
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

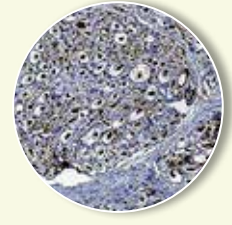
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	514-4030
			0.5 ml	514-4032
			1 ml	514-4034



Neurofilament L + H (70/200kD)

Clone: 2F11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG060
	Concentrate	1:200	0.5 ml	MSK060-05
			1 ml	MSK060



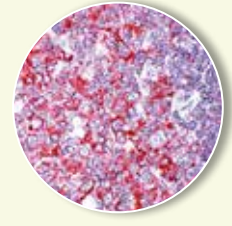
Neuron Specific Enolase

Please refer to NSE.

NFkappaB (p50)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

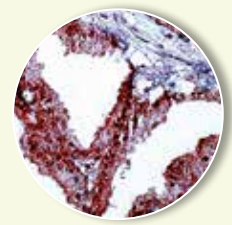
Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	514-3634



NFkappaB (p65) (rel A)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, RT, RB
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	0.1 ml	514-2750
			1 ml	514-2754



NKH1

Please refer to CD56.

NKI/C3

Please refer to CD63.

NKX3-1

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

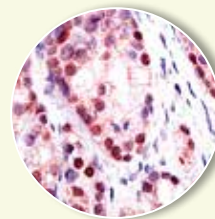
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG062
	Concentrate	1:50 - 1:100	0.5 ml	RBK062-05



NKX3-1

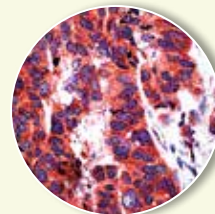
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	514-14101
	Concentrate	1:25	1 ml	514-14104

**Notch-1**

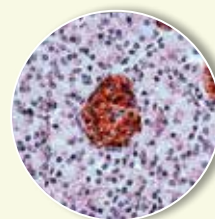
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	514-10861
	Concentrate	1:200	1 ml	514-10864

**NSE (Neuron Specific Enolase)**

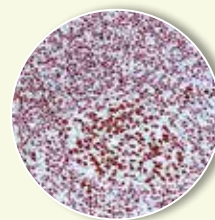
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:300	0.1 ml	514-3300
			0.5 ml	514-3302
			1 ml	514-3304

**Oct-2 (Octamer Binding Transcription Factor 2)**

Clone: Z502
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG073
	Concentrate	1:50 - 1:100	0.5 ml	MSK073-05

**Oct-4**

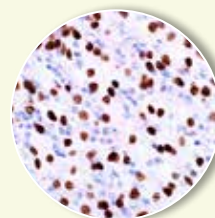
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50 - 1:100	0.5 ml	RBK017-05

Olig2

Clone: 211F1.1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

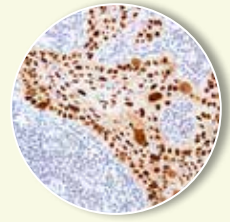
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG115
	Concentrate	1:25 - 1:100	0.5 ml	MSK115-05



p14ARF

Clone: SP271
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	501-5711
P, WB, FL	Concentrate	1:100	0.1 ml	501-5710
			0.5 ml	501-5712
			1 ml	501-5714



p16 INK4a

NEW

Clone: JC2
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG123
	Concentrate	1:50 - 1:100	0.5 ml	MSK123-05



p40 (ΔNp63)

Clone: BC28
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

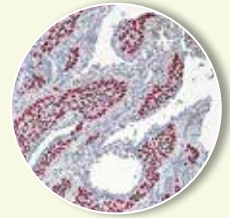
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG097
			16 ml	BMS050
	Concentrate	1:50 - 1:100	0.5 ml	MSK097-05
			1 ml	MSK097



p40 (ΔNp63)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

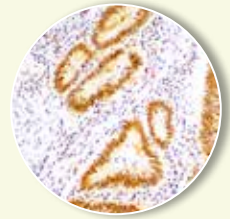
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG054
	Concentrate	1:50 - 1:200	0.5 ml	RBK054-05



p53

Clone: BP53-12
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: RUO

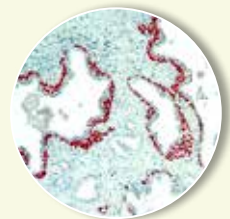
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG020
			16 ml	BMS064
	Concentrate	1:100 - 1:200	0.5 ml	MSK020-05
			1 ml	MSK020



p63

Clone: 4A4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	16 ml	BMS052
			0.5 ml	MSK087-05
	Concentrate	1:50 - 1:75	1 ml	MSK087



p63 + P504S

Please refer to PIN Cocktail.

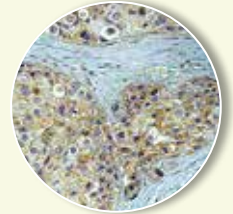
p80

Please refer to ALK.

p120, Catenin (delta)

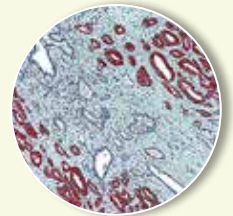
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	0.1 ml	503-17530
			0.5 ml	503-17532
			1 ml	503-17534

**P504S (AMACR)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG002
			16 ml	BRB035
	Concentrate	1:50 - 1:100	0.5 ml	RBK002-05
			1 ml	RBK002

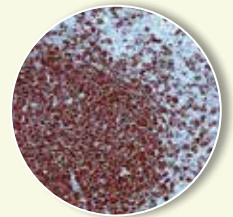
**P504S + p63**

Please refer to PIN Cocktail.

pan B-Cocktail (CD20 & PAX-5)

Clone: L26+ polyclonal
Host: Mouse & Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	COG002
			16 ml	BMS026
	Concentrate	1:50	0.5 ml	CO002K-05
			1 ml	CO002K

**pan Basalcell-Cocktail (p63 & Cytokeratin 5/14)**

Clone: 4A4+XM26+LL002
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

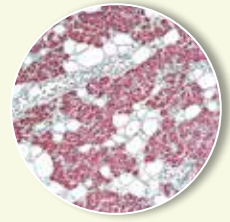
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	COG005
			16 ml	BMS051
	Concentrate	1:50	0.5 ml	CO005K-05
			1 ml	CO005K



Parathyroid Hormone (PTH)

Clone: ZSPT
Host: Mouse
Reactivity: HU
Pretreat.: Citrate (optional)
Status: CE/IVD

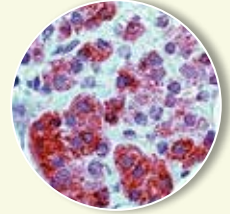
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG072
	Concentrate	1:100 - 1:200	0.5 ml	MSK072-05
			1 ml	MSK072



Parathyroid Hormone Receptor 1 (PTHr)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

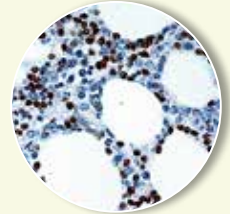
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	1 ml	516-17894



PAX-5

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: EDTA
Status: RUO, *CE/IVD

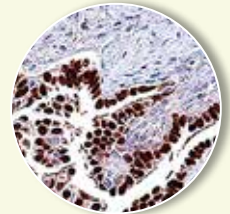
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG008
			16 ml	BRB027*
	Concentrate	1:50	0.5 ml	RBK008-05
			1 ml	RBK008



PAX-8

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

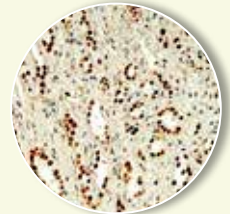
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG047
	Concentrate	1:25 - 1:50	0.5 ml	RBK047-05



PAX-8

Clone: BC12
Host: Mouse
Reactivity: HU, MS, RT, FE, DG
Pretreat.: Citrate
Status: CE/IVD

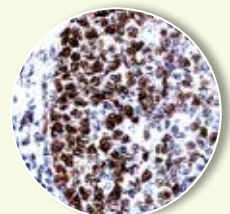
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG107
	Concentrate	1:50	0.5 ml	MSK107-05



PCNA (Proliferating Cell Nuclear Antigen)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

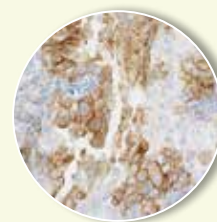
Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	0.5 ml	516-2852
			1 ml	516-2854



PD-L1 (CD274)

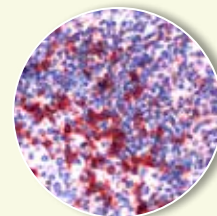
Clone: CAL10
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG063
	Concentrate	1:100 - 1:200	0.5 ml	RBK063-05

**PD-1 (CD279)**

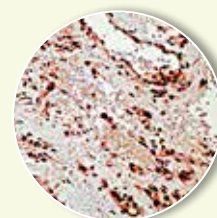
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Volume	Cat. No.
P	Ready-to-use	-	7 ml	516-18661
			0.1 ml	516-18660
	Concentrate		0.5 ml	516-18662
			1 ml	516-18664

**PDGFr alpha (Platelet Derived Growth Factor Receptor Alpha, CD140a)**

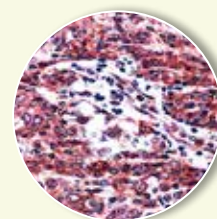
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	0.1 ml	516-2690
			0.5 ml	516-2692
			1 ml	516-2694

**PDGFr beta (Platelet Derived Growth Factor Receptor Beta, CD140b)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:50	0.1 ml	516-2730
			0.5 ml	516-2732
			1 ml	516-2734

**PECAM-1**

Please refer to CD31.

PGP9.5

Please refer to Protein Gene Product 9.5.

PIN Cocktail (P504S+p63)

Clone: polyclonal+4A4
Host: Mouse & Rabbit
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	COG001
			0.5 ml	CO001K-05
	Concentrate		1:50	1 ml



Placental Alkaline Phosphatase

Please refer to PLAP.

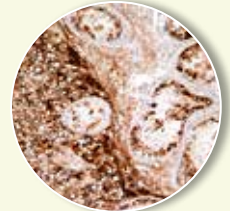
Placental Lactogen

Please refer to Lactogen.

PLAP (Placental Alkaline Phosphatase)

Clone: SP15
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50 - 1:100	0.5 ml	RBK056-05
			1 ml	RBK056



Platelet-Derived Growth Factor

Please refer to PDGF.

PMS2

Clone: A16-4
Host: Mouse
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

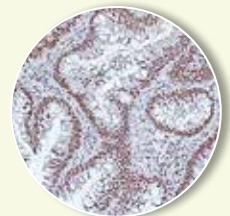
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:25 - 1:100	0.5 ml	MSK064-05



PMS2

Clone: EPR3947
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

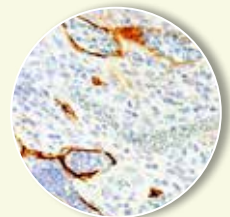
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG048



Podoplanin (Lymphatic endothelium marker)

Clone: D2-40
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

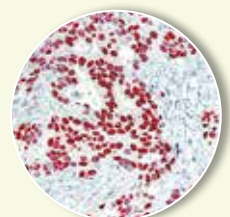
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG057
	Concentrate	1:50 - 1:100	0.5 ml	MSK057-05
			1 ml	MSK057



Progesterone Receptor

Clone: SP42
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

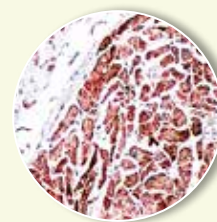
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG020
			16 ml	BRB038
	Concentrate	1:200 - 1:400	0.5 ml	RBK020-05
			1 ml	RBK020



Prohibitin

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

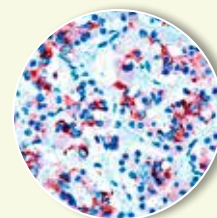
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	516-17754



Prolactin (LTH, Luteotropic Hormone, Lactogenic Hormone)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	516-17491
	Concentrate	1:200	0.1 ml	516-17490
			0.5 ml	516-17492
			1 ml	516-17494



Proliferating Cell Nuclear Antigen

Please refer to PCNA.

Prostate Specific Antigen

Please refer to PSA.

Prostate Specific Membrane Antigen

Please refer to PSMA.

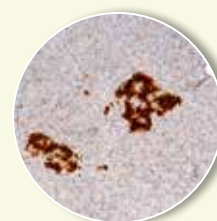
Prostate Stem Cell Antigen

Please refer to PsCA.

Protein Gene Product 9.5 (PGP9.5, UCHL1)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

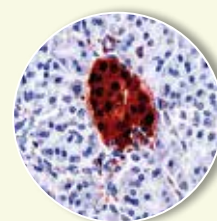
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG064
	Concentrate	1:100 - 1:200	0.5 ml	RBK064-05



Protein Gene Product 9.5 (PGP9.5, UCHL1)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

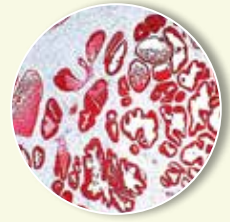
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	516-3341
	Concentrate	1:200	0.1 ml	516-3340
			1 ml	516-3344



PSA (Prostate Specific Antigen)

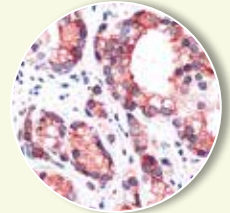
Clone: ER-PR8
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG051
F, P, WB	Concentrate	1:50	0.5 ml	MSK051-05
			1 ml	MSK051

**PsCA (Prostata Stem Cell Antigen)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	516-3291
	Concentrate	1:75	1 ml	516-3294

**PSMA (Prostate Specific Membrane Antigen)**

Clone: SP29
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.1 ml	517-3290
			0.5 ml	517-3292
			1 ml	517-3294

**PTH**

Please refer to Parathyroid Hormone.

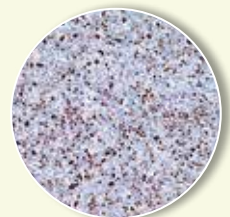
PTHr

Please refer to Parathyroid Hormone Receptor.

PU.1

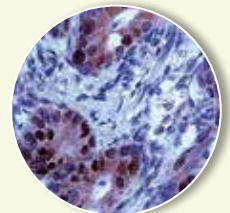
Clone: EPR3158Y
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG042
	Concentrate	1:50 - 1:200	0.5 ml	RBK042-05

**Retinoblastoma (Rb)**

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

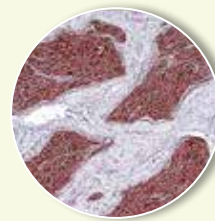
Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	518-4314



S100

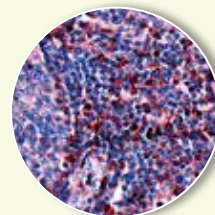
Clone: 4C4.9
Host: Mouse
Reactivity: HU, MS, RT, BV
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG050
			16 ml	BMS013
	Concentrate	1:200 - 1:400	0.5 ml	MSK050-05
			1 ml	MSK050

**S100A4**

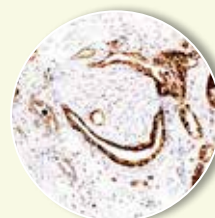
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	519-4444

**S100P (placental S100)**

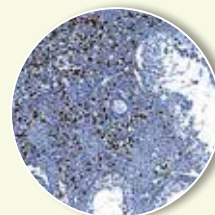
Clone: 16/f5
Host: Mouse
Reactivity: HU
Pretreat.: Citrate or EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG089
	Concentrate	1:100 - 1:500	0.5 ml	MSK089-05

**SALL4**

Clone: monoclonal
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100 - 1:200	0.5 ml	MSK079-05

**SATB2**

Clone: SATBA4B10
Host: Mouse
Reactivity: HU, MS, RT
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Ready-to-use	-	16 ml	BMS068
	Concentrate	1:50 - 1:100	0.5 ml	MSK101-05

**SCLC**

Please refer to CD56.

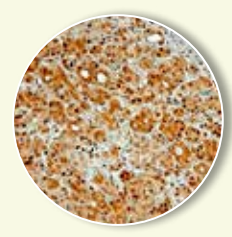
Sialoporphin

Please refer to CD43.

SMAD4

Clone: SP306
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

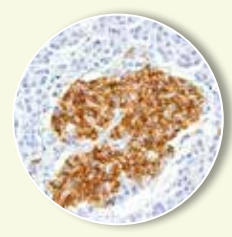
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	519-6061
P, FL	Concentrate	1:100	0.1 ml	519-6060
			0.5 ml	519-6062
			1 ml	519-6064



Somatostatin Receptor 2A (SSTR2A)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: EDTA
Status: RUO

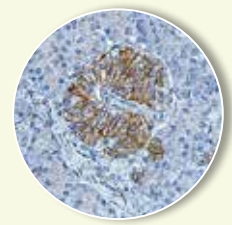
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:25 - 1:100	0.5 ml	RBK046-05



Somatostatin Receptor 5 (SSTR5)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:25 - 1:100	0.5 ml	RBK051-05



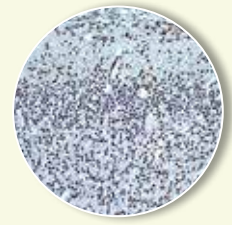
Somatotropin

Please refer to Growth Hormone.

SOX2

Clone: SP76
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

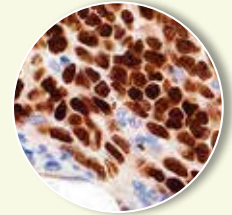
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	7 ml	519-3761
	Concentrate	1:100	1 ml	519-3764



SOX10

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

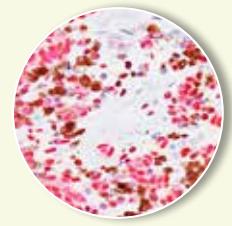
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG057
	Concentrate	1:25 - 1:100	0.5 ml	RBK057-05



SOX10

Clone: BC34
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

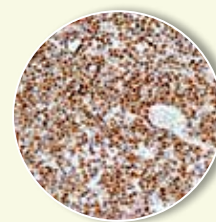
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG117
	Concentrate	1:100	0.5 ml	MSK117-05



SOX11

Clone: ZSX11
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG095
	Concentrate	1:25 - 1:100	0.5 ml	MSK095-05

**Spirochete (Treponema pallidum)**

Clone: polyclonal
Host: Rabbit
Reactivity: *Treponema pallidum*
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	RBG065
	Concentrate	1:100 - 1:200	0.5 ml	RBK065-05

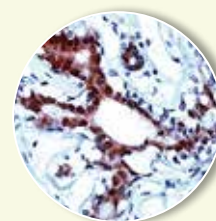
SSTR

Please refer to Somatostatin Receptor.

STAT5a

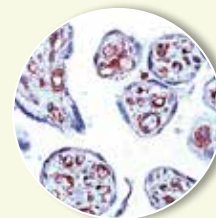
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:200	1 ml	519-3594

**STAT6**

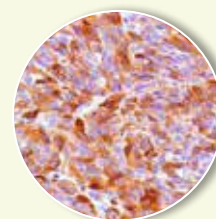
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:75	0.1 ml	519-4290
			0.5 ml	519-4292
			1 ml	519-4294

**Stathmin**

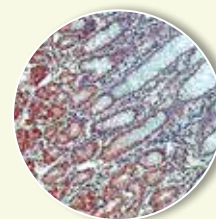
Clone: SP49
Host: Rabbit
Reactivity: HU, MS
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	1:100	7 ml	519-3491
			0.1 ml	519-3490
	Concentrate		0.5 ml	519-3492
			1 ml	519-3494

**Survivin**

Clone: SP79
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

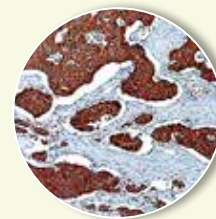
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	519-3794



Synaptophysin

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG011
	Concentrate	1:200 - 1:400	0.5 ml	RBK011-05
			1 ml	RBK011



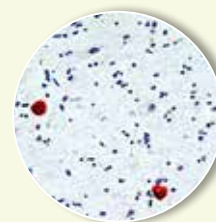
Syndecan

Please refer to CD138.

Synuclein (Pan)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, RT
Pretreat.: Citrate
Status: RUO

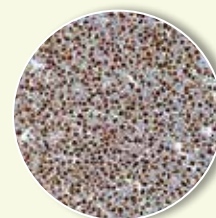
Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:50	1 ml	519-2794



T-bet

Clone: ZSTB
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG049
	Concentrate	1:100 - 1:500	0.5 ml	RBK049-05



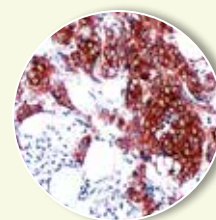
T-cells

Please refer to CD3 bis CD8.

TAU

Clone: SP70
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

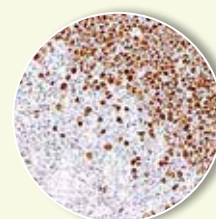
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	520-3704



TdT (Terminal Desoxynucleotidyl Transferase)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: CE/IVD

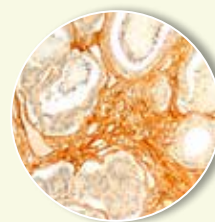
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	RBG052
	Concentrate	1:100 - 1:500	0.5 ml	RBK052-05
			1 ml	RBK052



Tenascin C (TNC)

Clone: DB7
Host: Mouse
Reactivity: HU
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50 - 1:200	0.5 ml	MSK104-05

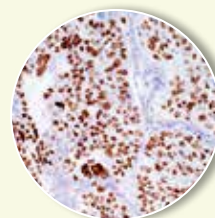


TFE3



Clone: ZSTFE03
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50 - 1:200	0.1 ml	RBK066-01



TGF beta 1/3 Receptor

Please refer to CD105.

TGF beta II (Transforming Growth Factor)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

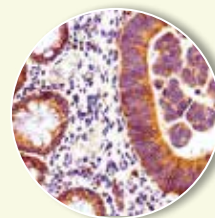
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.5 ml	520-18022
			1 ml	520-18024



Thymidylate Synthase (TS)

Clone: SP112
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

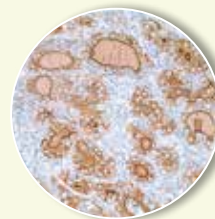
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	520-4124



Thyroglobulin

Clone: 2H11+6E1
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

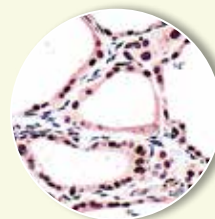
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG039
	Concentrate	1:100 - 1:200	0.5 ml	MSK039-05
			1 ml	MSK039



Thyroid Hormone Receptor beta (THRb)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, DG
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Concentrate	1:100	1 ml	520-4074



Thyroid Stimulating Hormone

Please refer to TSH.

Thyroid Transcription Factor

Please refer to TTF-1.

Topoisomerase I

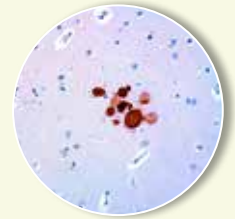
Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	1 ml	520-18864

Toxoplasma gondii

Clone: polyclonal
Host: Rabbit
Reactivity: *Toxoplasma gondii*
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, F	Concentrate	1:10 - 1:30	0.5 ml	RBK060-05



Toxoplasma gondii

Clone: polyclonal
Host: Rabbit
Reactivity: *Toxoplasma gondii*
Pretreat.: EDTA
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, F	Concentrate	1:25 - 1:100	0.5 ml	RBK068-05

Transforming Growth Factor

Please refer to TGF.

Treponema pallidum

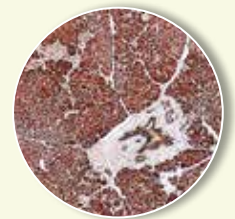
Clone: polyclonal
Host: Rabbit
Reactivity: *Treponema pallidum*
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, IF	Purified	-	1 ml	620-0262

Trypsin (Human pancreatic)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Fast Enzyme, Pepsin
Status: RUO

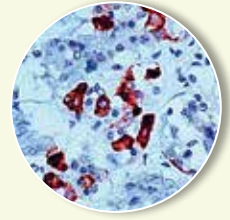
Method	Format	Dilution	Amount	Cat. No.
P, WB, EL	Concentrate	1:50 - 1:200	0.2 ml	RBK055-02



TSH (Thyroid Stimulating Hormone)

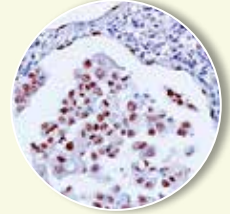
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:200	0.1 ml	520-17500
			0.5 ml	520-17502
			1 ml	520-17504

**TTF-1**

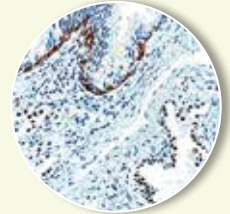
Clone: SPT24
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG111
	Concentrate	1:100 - 1:200	0.5 ml	MSK111-05

**TTF-1 + Cytokeratin 5/6 Cocktail**

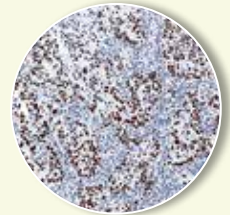
Clone: 8G7G3/1+D5/16B4
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	COG004
			0.5 ml	CO004K-05
	Concentrate		1:50	1 ml

**TTF-1 (Thyroid Transcription Factor 1)**

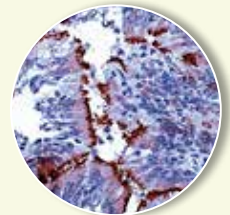
Clone: 8G7G3/1
Host: Mouse
Reactivity: HU, RT
Pretreat.: Citrate
Status: CE/IVD

Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG004
			16 ml	BMS016
	Concentrate		0.5 ml	MSK004-05
			1 ml	MSK004

**Tubulin, alpha**

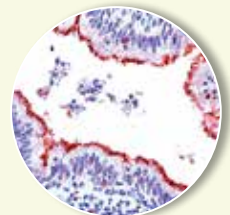
Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:200	1 ml	520-4134

**Tubulin, beta**

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: -
Status: RUO

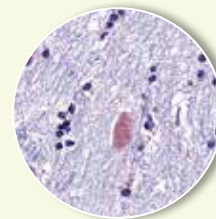
Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:200	0.5 ml	520-3812
			1 ml	520-3814



Ubiquitin

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

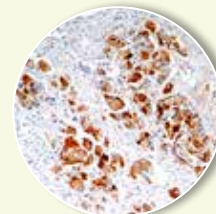
Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:50	0.1 ml	521-3350
			0.5 ml	521-3352
			1 ml	521-3354



Uroplakin II

Clone: BC21
Host: Mouse
Reactivity: HU
Pretreat.: Citrate
Status: CE/IVD

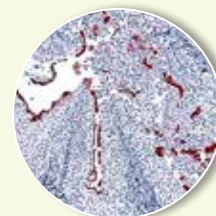
Method	Format	Dilution	Amount	Cat. No.
P	Ready-to-use	-	6 ml	MSG102
	Concentrate	1:50 - 1:100	0.5 ml	MSK102-05



Uroplakin III

Clone: AU1
Host: Mouse
Reactivity: HU, RT, BV, PG
Pretreat.: Fast Enzyme
 or Citrate
Status: RUO

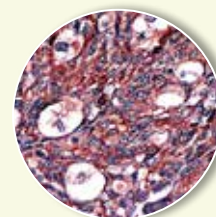
Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:25 - 1:50	0.5 ml	MSK052-05



VEGF-A (Vascular Endothelial Growth Factor)

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: EDTA
Status: RUO

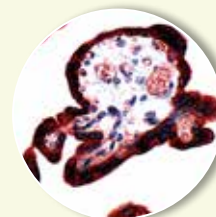
Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:100	1 ml	522-2614



VEGFr-1 (Flt-1)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

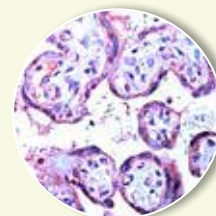
Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:100	1 ml	506-2804



VEGFr-2 (Flk-1, KDR)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

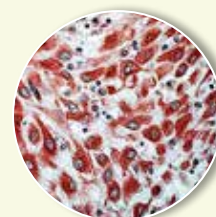
Method	Format	Dilution	Amount	Cat. No.
F, P, WB	Concentrate	1:50	1 ml	506-3714



VEGFr-3 (Flt-4)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

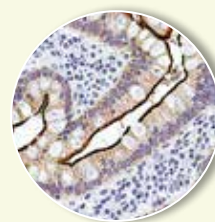
Method	Format	Dilution	Amount	Cat. No.
F, P, WB, IP	Concentrate	1:100	1 ml	506-3874



Villin

Clone: SP145
Host: Rabbit
Reactivity: HU, BV, CH, MS, PG
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P, WB	Concentrate	1:100	0.1 ml	522-4450
			0.5 ml	522-4452
			1 ml	522-4454



Vimentin

Clone: V9
Host: Mouse
Reactivity: Citrate (optional)
Status: CE/IVD

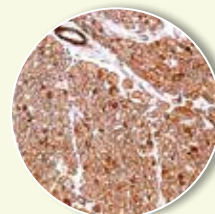
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	6 ml	MSG023
			16 ml	BMS012
	Concentrate	1:100 - 1:200	0.5 ml	MSK023-05
			1 ml	MSK023



Vinculin

Clone: SP117
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
P	Concentrate	1:100	0.5 ml	522-4172



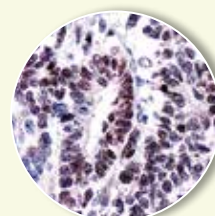
Wilm's Tumor Protein-1

Please refer to WT1.

WT1 (Wilm's Tumor Protein-1)

Clone: polyclonal
Host: Rabbit
Reactivity: HU, MS, RT
Pretreat.: Citrate
Status: RUO

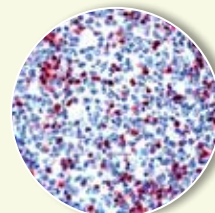
Method	Format	Dilution	Amount	Cat. No.
F, P	Ready-to-use	-	7 ml	523-3991
F, P, WB, IP	Concentrate	1:100	0.1 ml	523-3990
			0.5 ml	523-3992
			1 ml	523-3994



ZAP-70

Clone: polyclonal
Host: Rabbit
Reactivity: HU
Pretreat.: Citrate
Status: RUO

Method	Format	Dilution	Amount	Cat. No.
WB, F, P	Concentrate	1:100	0.1 ml	526-12520
			1 ml	526-12524





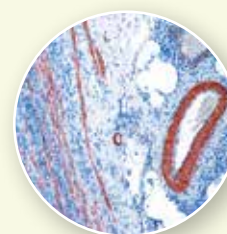
Max-Line Antibodies

Cost-effective 16 ml ready-to-use antibodies for routine immunohistochemistry

Zytomed Systems offers convenient high-volume ready-to-use antibodies suitable for FFPE tissue sections. These *MAX-Line* antibodies will meet your demands concerning costs, quality and suitability for routine procedures. All these antibodies (except the 8 that are identified by markings) are CE/IVD certified.

► Max-Line antibodies

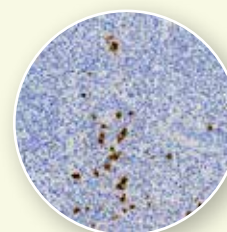
Description	Host	Clone	Pre-treatment	Volume	Cat. No.
Actin alpha (Smooth Muscle)	Mouse	1A4	None	16 ml	BMS001
BCL2	Rabbit	E17	Citrate	16 ml	BRB055
Calretinin	Rabbit	polyclonal	Citrate	16 ml	BRB022
CD3	Rabbit	SP7	Citrate	16 ml	BRB041
CD3	Rabbit	polyclonal	Citrate	16 ml	BRB063
CD4 (T-Cell helper/inducer)	Rabbit	SP35	Citrate	16 ml	BRB042
CD8 (T-Cell cytotoxic/suppressor)	Rabbit	SP16	Citrate	16 ml	BRB036
CD10 (CALLA)	Mouse	56C6	Citrate	16 ml	BMS043
CD15*	Mouse	MMA + BY87	Citrate	16 ml	BMS066
CD20 (B-Cell)	Mouse	L26	optional: Citrate	16 ml	BMS003
CD31	Mouse	JC70	Citrate	16 ml	BMS044
CD34	Mouse	QBEnd/10	optional: Citrate	16 ml	BMS045
CD45 (LCA)	Mouse	PD7/26 + 2B11	optional: Citrate	16 ml	BMS046
CD56	Rabbit	RCD56	EDTA	16 ml	BRB039
CD79a	Mouse	JCB117	Citrate	16 ml	BMS005
CDX-2	Rabbit	EPR2764Y	Citrate	16 ml	BRB028
CEA	Mouse	Col-1	None	16 ml	BMS029
Chromogranin A	Mouse	LKH2H10	None	16 ml	BMS018
Cytokeratin 5 & 6	Mouse	D5/16B4	Citrate	16 ml	BMS017
Cytokeratin 5 & 14	Mouse	XM26 + LL002	Citrate	16 ml	BMS023
Cytokeratin 7	Mouse	OV-TL 12/30	Citrate or enzymatic	16 ml	BMS030
Cytokeratin 20	Mouse	Ks20.8	Pepsin, Trypsin or Fast Enzyme	16 ml	BMS037
Cytokeratin (HMW)	Mouse	34βE12	Citrate or Pepsin	16 ml	BMS015



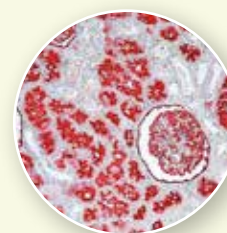
Actin SM (BMS001)
Appendix



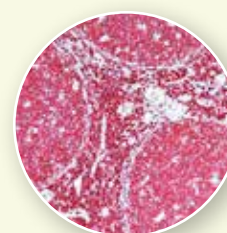
CD3 (BRB063) Tonsil



CD15 (BMS066) Tonsil





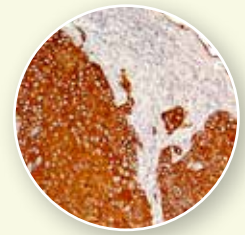
CD10 (BMS043) Kidney



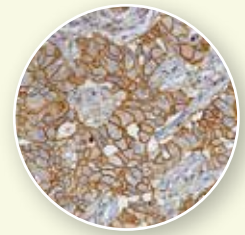
CD45 (BMS046) Tonsil

► **Max-Line antibodies (continued)**

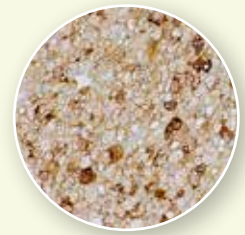
Description	Host	Clone	Pre-treatment	Volume	Cat. No.
Cytokeratin Broad Spectrum	Mouse	AE1 + AE3	Citrate or Pepsin	16 ml	BMS006
Cytokeratin Pan 	Mouse	KL1	Citrate	16 ml	BMS056
Cytokeratin Pan Plus 	Mouse	AE1 + AE3 + 5D3	Citrate	16 ml	BMS057
Desmin	Mouse	D33	Citrate	16 ml	BMS007
E-Cadherin	Rabbit	EP700Y	Citrate	16 ml	BRB047
Epithelial Specific Antigen (ESA, Ep-CAM)	Mouse	Ber-EP4	Citrate or enzymatic	16 ml	BMS048
Estrogen Receptor	Rabbit	SP1	Citrate	16 ml	BRB053
GATA3	Mouse	L50-832	Citrate	16 ml	BMS054
GLUT-1	Rabbit	polyclonal	Citrate or EDTA	16 ml	BRB049
Glypican-3* 	Mouse	1G12	EDTA	16 ml	BMS059
Helicobacter pylori	Rabbit	polyclonal	Citrate	16 ml	BRB032
HER2 (c-erbB-2)	Mouse	CB11	Citrate	16 ml	BMS014
Ki-67	Rabbit	SP6	Citrate	16 ml	BRB040
Ki-67	Mouse	K-2	Citrate	16 ml	BMS009
Melanosome (HMB45)	Mouse	HMB45	optional: Citrate	16 ml	BMS010
MLH-1	Mouse	G168-15	Citrate	16 ml	BMS033
MSH-2	Mouse	FE11	Citrate	16 ml	BMS034
p40	Mouse	BC28	Citrate	16 ml	BMS050
p53* 	Mouse	BP53-12	EDTA	16 ml	BMS064
p63*	Mouse	4A4	Citrate or EDTA	16 ml	BMS052
P504S*	Rabbit	polyclonal	EDTA	16 ml	BRB035
pan Basal Cell Cocktail* (p63 & Cytokeratin 5 & 14)	Mouse	4A4 + XM26 + LL002	Citrate	16 ml	BMS051
pan B-Cocktail* (CD20 & Pax-5)	Mouse + Rabbit	L26 + poly-clonal	Citrate or EDTA	16 ml	BMS026
Pax-5	Rabbit	polyclonal	EDTA	16 ml	BRB027
Progesterone Receptor	Rabbit	SP42	Citrate	16 ml	BRB038
S100	Mouse	4C4.9	optional: Citrate	16 ml	BMS013
SATB2* 	Mouse	SATBA4B10	EDTA	16 ml	BMS068
TTF-1	Mouse	8G7G3/1	Citrate	16 ml	BMS016
Vimentin	Mouse	V9	optional: Citrate	16 ml	BMS012



Cytokeratin Pan Plus (BMS057)
SqCC of the lung



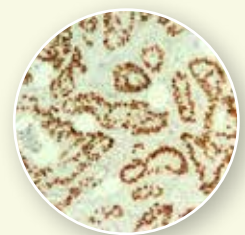
HER2 (BMS014)
Breast carcinoma



Glypican-3 (BMS059)
Liver carcinoma



p53 (BMS064)
Colon carcinoma



SATB2_(BMS068)
Colon carcinoma

* for research use only

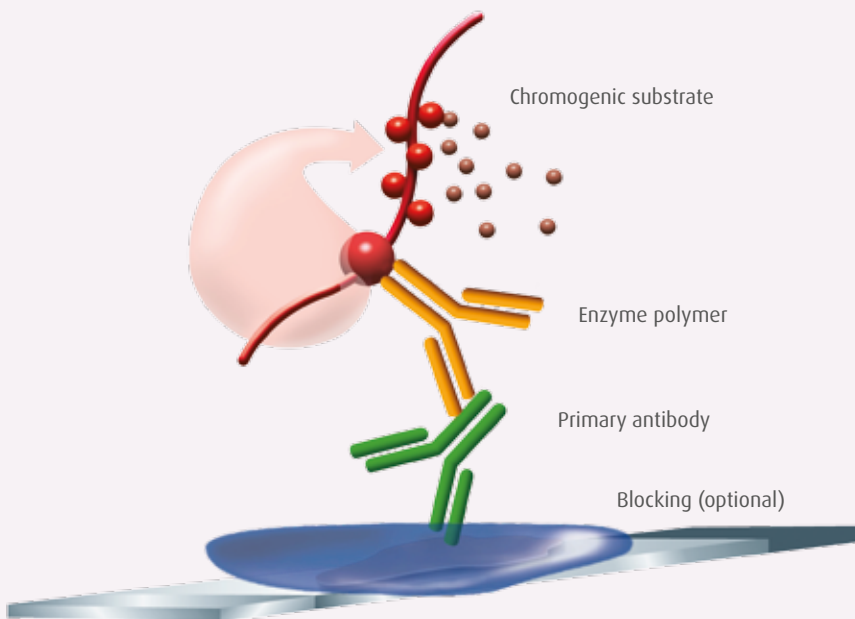
Detection Systems

Detection Systems

ZytoChem Plus detection systems are characterised by outstanding sensitivity and can be used in automated as well as manual immunohistochemistry systems. You can choose between polymer systems, which provide the highest sensitivity, and high-sensitive streptavidin-biotin systems. Both kit systems are available with horseradish peroxidase (HRP) or alkaline phosphatase (AP). They match perfectly with our chromogenic substrates for aqueous and permanent mounting. All ZytoChem Plus detection kits and reagents are CE/IVD certified with the exception of the Double Stain Polymer kits which are labelled for research use only.

ZytoChem Plus Polymer Detection Systems

Principle of polymer detection systems



ZytoChem Plus Polymer Detection

- ▶ Biotin-free technique avoids problems due to endogenous biotin
- ▶ Compact polymers ensure highest sensitivity
- ▶ Horse Radish Peroxidase (HRP) as well as Alkaline Phosphatase (AP) reagents available
- ▶ Choose between One-Step or Two-Step polymers
- ▶ Reagents and kits for detection of mouse, rabbit and rat primary antibodies or species-specific
- ▶ Single reagents perfect for double staining
- ▶ Suitable for manual as well as automated immunohistochemistry
- ▶ All kits and reagents CE/IVD certified

▶ HRP Polymer Detection Reagents

Description	CE/IVD	Components	Volume	Cat. No.
ZytoChem Plus (HRP) Polymer Kit anti-Mouse/Rabbit	✓	Ready-to-use Protein Block, Post Block, HRP Polymer	1 Kit (6 ml/60 tests)	POLHRP-006
			1 Kit (100 ml/1000 tests)	POLHRP-100
ZytoChem Plus (HRP) One-Step Polymer anti-Mouse/Rabbit	✓	Ready-to-use HRP Polymer	6 ml/60 tests	ZUC053-006
			100 ml/1000 tests	ZUC053-100
ZytoChem Plus (HRP) Polymer anti-Mouse	✓	Ready-to-use HRP Polymer	6 ml/60 tests	ZUC050-006
			100 ml/1000 tests	ZUC050-100
ZytoChem Plus (HRP) Polymer anti-Rabbit	✓	Ready-to-use HRP Polymer	6 ml/60 tests	ZUC032-006
			100 ml/1000 tests	ZUC032-100

► AP Polymer Detection Reagents

Description	CE/IVD	Components	Volume	Cat. No.
ZytoChem Plus (AP) Polymer Kit anti-Mouse/Rabbit	✓	Ready-to-use Protein Block, Post Block, AP Polymer	1 Kit (6 ml/60 tests)	POLAP-006
			1 Kit (100 ml/1000 tests)	POLAP-100
ZytoChem Fast (AP) One-Step Polymer anti-Mouse/Rabbit	✓	Ready-to-use AP Polymer	6 ml/60 tests	ZUC068-006
			100 ml/1000 tests	ZUC068-100
ZytoChem Plus (AP) Polymer anti-Rabbit	✓	Ready-to-use AP Polymer	6 ml/60 tests	ZUC031-006
ZytoChemPlus (AP) Polymer anti-Mouse	✓	Ready-to-use AP Polymer	6 ml/60 tests	ZUC077-006
			100 ml/1000 tests	ZUC077-100

Double Stain Polymer Detection kits

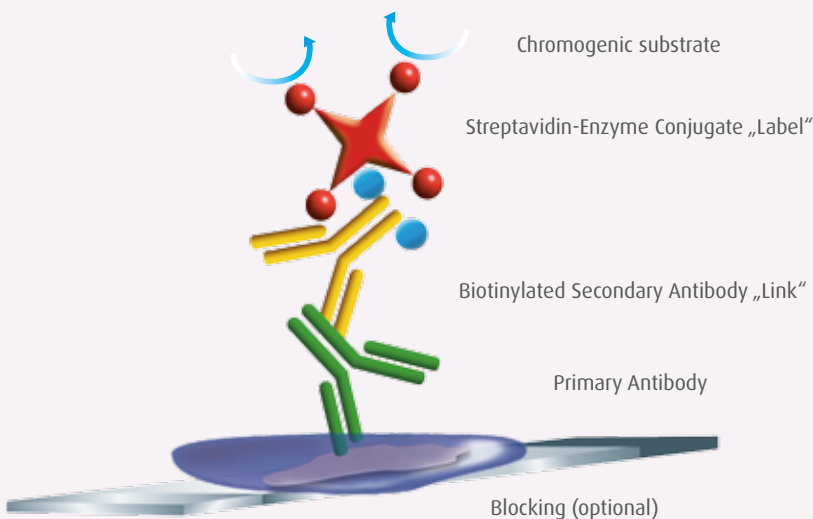
The ZytoChem Plus Double Stain kits were especially developed for immunohistochemical double staining. One primary antibody must be obtained from mouse, the other one from rabbit. Zytomed Systems offers one double stain kit for sequential detection (POL2DS) and one kit for simultaneous detection (POLDS). Both kits are labelled for research use only.

Description	Components	Volume	Cat. No.
ZytoChem Plus Double Stain Polymer Kit*	HRP Polymer anti-Mouse (50 X Concentrate), AP Polymer anti-Rabbit (Ready-to-use)	1 Kit (6 ml/60 tests)	POLDS-006
		1 Kit (100 ml/1000 Tests)	POLDS-100
ZytoChem Plus 2-Step Double Stain Polymer Kit*	AP Polymer anti-Rabbit, HRP Polymer anti-Mouse (both ready-to-use)	1 Kit (2 x 6 ml/60 Tests)	POL2DS-006
		1 Kit (2 x 100 ml/1000 Tests)	POL2DS-100

* for research use only

ZytoChem Plus Streptavidin-Biotin Detection Systems

Principle of streptavidin-biotin detection systems



ZytoChem Plus Streptavidin-Biotin Detection

- Streptavidin-Biotin technique ensures high sensitivity
- Horse Radish Peroxidase (HRP) as well as Alkaline Phosphatase (AP) reagents available
- Kit sizes available from small complete kits up to high-volume bulk kits
- Broad-Spectrum kits as well as species-specific kits available
- Suitable for manual as well as automated immunohistochemistry
- All kits and reagents CE/IVD certified

► HRP Streptavidin-Biotin Detection Reagents

Description	CE/IVD	Components	Volume	Cat. No.
ZytoChem Plus (HRP) Broad Spectrum (AEC) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	HRP008AEC

► **HRP Streptavidin-Biotin Detection Reagents (continued)**

Description	CE/IVD	Components	Volume	Cat. No.
ZytoChem Plus (HRP) Broad Spectrum (DAB) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	HRP008DAB
ZytoChem Plus (HRP) Broad Spectrum Kit	✓	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate	1 Kit (60 ml/600 tests)	HRP060
			1 Kit (125 ml/1250 tests)	HRP125
			1 Kit (500 ml/5000 tests)	HRP500
ZytoChem Plus (HRP) Anti-Mouse (AEC) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	HRP008AEC-MS
ZytoChem Plus (HRP) Anti-Mouse (DAB) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	HRP008DAB-MS
ZytoChem Plus (HRP) Anti-Mouse Kit	✓	Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate	1 Kit (60 ml/600 tests)	HRP060-MS
			1 Kit (125 ml/1250 tests)	HRP125-MS
			1 Kit (500 ml/5000 tests)	HRP500-MS
ZytoChem Plus (HRP) Anti-Rabbit (AEC) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	HRP008AEC-RB
ZytoChem Plus (HRP) Anti-Rabbit (DAB) Kit	✓	Peroxide Block, Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	HRP008DAB-RB
ZytoChem Plus (HRP) Anti-Rabbit Kit	✓	Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate	1 Kit (60 ml/600 tests)	HRP060-RB
			1 Kit (125 ml/1250 tests)	HRP125-RB
			1 Kit (500 ml/5000 tests)	HRP500-RB

► **AP Streptavidin-Biotin Detection Reagents**

Description	CE/IVD	Components	Volume	Cat. No.
ZytoChem Plus (AP) Broad Spectrum (Fast Red) Kit	✓	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate, 2 component Permanent Red	1 Kit (8 ml/80 tests)	AP008RED
ZytoChem Plus (AP) Broad Spectrum Kit	✓	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate	1 Kit (60 ml/600 tests)	AP060
			1 Kit (125 ml/1250 tests)	AP125
			1 Kit (500 ml/5000 tests)	AP500
ZytoChem Plus (AP) Anti-Mouse (Fast Red) Kit	✓	Protein Block, Sec. Antibody anti-Mouse, AP-conjugate, 2 component Permanent Red	1 Kit (8 ml/80 tests)	AP008RED-MS
ZytoChem Plus (AP) Anti-Mouse Kit	✓	Protein Block, Sec. Antibody anti-Mouse, AP-conjugate	1 Kit (60 ml/600 tests)	AP060-MS
			1 Kit (125 ml/1250 tests)	AP125-MS
			1 Kit (500 ml/5000 tests)	AP500-MS
ZytoChem Plus (AP) Anti-Rabbit (Fast Red) Kit	✓	Protein Block, Sec. Antibody anti-Rabbit, AP-conjugate, 2 component Permanent Red	1 Kit (8 ml/80 tests)	AP008RED-RB
ZytoChem Plus (AP) Anti-Rabbit Kit	✓	Protein Block, Sec. Antibody anti-Rabbit, AP-conjugate	1 Kit (60 ml/600 tests)	AP060-RB
			1 Kit (125 ml/1250 tests)	AP125-RB
			1 Kit (500 ml/5000 tests)	AP500-RB

Ancillary Reagents

Ancillary Reagents

A broad range of ancillary reagents like buffers, chromogenic substrates and reagents for pre-treatment are available from Zytomed Systems, many of which are CE/IVD certified.

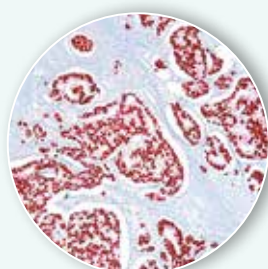
Epitope retrieval

Zytomed Systems offers different reagents for enzymatic and heat pre-treatment (HIER). The correct epitope retrieval depends on the antibody clone being used. Buffer solutions of higher pH values (8 or 9) often lead to stronger signal intensity compared to a buffer of pH 7 when used in heat induced epitope retrieval.

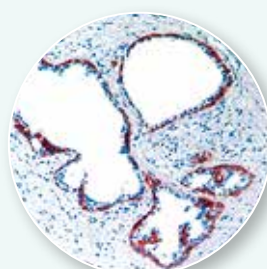
Our new OmniPrep Solutions allow a convenient simultaneous dewaxing and heat pre-treatment in just one step.



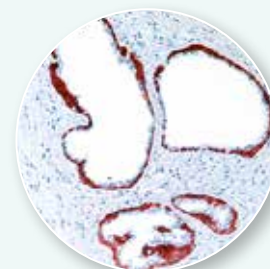
Cytokeratin 5&6 staining after dewaxing and epitope retrieval with OmniPrep Solution



ER staining after dewaxing and epitope retrieval with OmniPrep Solution



Cytokeratin 5&6 on prostate with HIER in Citrate Buffer pH 6.0



Cytokeratin 5&6 on prostate with HIER in T-EDTA Buffer pH 9.0

► Dewaxing and heat pre-treatment combined

Description	CE/IVD	Volume	Cat. No.
OmniPrep Solution pH 9.0 (10 X)	-	100 ml	ZUC067-100
		500 ml	ZUC067-500
OmniPrep Solution pH 6.0 (10 X)	-	100 ml	ZUC079-100
		500 ml	ZUC079-500

► HIER (Heat Induced Epitope Retrieval)

Description	CE/IVD	Volume	Cat. No.
Zytomed Systems HIER Citrate Buffer pH 6.0 (10 X)	✓	100 ml	ZUC028-100
		500 ml	ZUC028-500
Zytomed Systems HIER EDTA Buffer pH 8.0 (10 X)	✓	100 ml	ZUC040-100
		500 ml	ZUC040-500
Zytomed Systems HIER T-EDTA Buffer pH 9.0 (10 X)	✓	100 ml	ZUC029-100
		500 ml	ZUC029-500

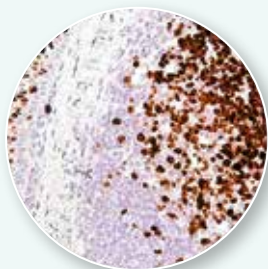
► Proteolytic Pre-treatment

Description	CE/IVD	Volume	Cat. No.
Pepsin (Ready-to-use)	✓	60 ml	ZUC038-060
Pronase (Ready-to-use)	-	250 ml	ZY0008
Proteinase K (Ready-to-use)	-	15 ml	ZY0007
		50 ml	ZY0009
Trypsin Pretreatment Kit (2 components)	-	155 ml	ZUC043-155

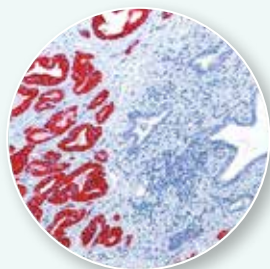
Chromogenic substrates

ZytoMed Systems offers chromogenic substrates for AP as well as HRP based detection systems.

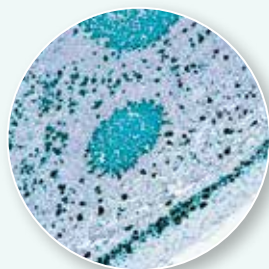
All the kits (DAB Substrate, DAB High Contrast, Permanent AEC, Permanent Green as well as Permanent AP Red) can be mounted with a permanent mounting medium after dehydration in ethanol and clearing in xylene.



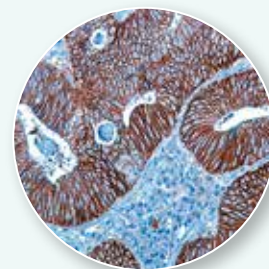
Tonsil stained with Ki-67 (RBK027), HRP and Permanent AEC (ZUC054-200)



Prostate carcinoma stained with P504S (RBG002), AP and Permanent AP Red Kit (ZUC001)



Tonsil stained with Ki-67 (RBK027), HRP and Permanent HRP Green (ZUC070-100)



Stomach carcinoma stained with HER2 (RBK026), HRP and DAB (DAB530)

► Chromogenic substrates for Peroxidase

Description	CE/IVD	Volume	Cat. No.
DAB Substrate Kit (2 components; for permanent mounting)	✓	50 ml	DAB057
		500 ml	DAB530
DAB High contrast Kit (2 components; for permanent mounting)	✓	50 ml	DAB500plus
		500 ml	DAB5000plus
Permanent AEC Kit (4 components; for permanent mounting)	-	200 ml	ZUC054-200
Permanent HRP Green Kit (2 components; for permanent mounting)	-	100 ml	ZUC070-100
AEC Single Solution (Ready-to-use; for aqueous mounting)	✓	8 ml	ZUC037-008
		100 ml	ZUC037-100
AEC Substrate Kit (2 components; for aqueous mounting)	✓	50 ml	ZUC042-050
		500 ml	ZUC042-500

► Chromogenic substrates for Alkaline Phosphatase

Description	CE/IVD	Volume	Cat. No.
Permanent AP Red Kit (2 components; for permanent mounting)	✓	125 ml	ZUC001-125
		500 ml	ZUC001-500

Diluents, buffers and miscellaneous

In this table you will find buffers, reagents and products for use in immunohistochemistry. Many of these reagents can be used in manual as well as in automated IHC.

► Diluents, buffers and miscellaneous

Description	CE/IVD	Volume	Cat. No.
Antibody Diluent (Ready-to-use)	✓	100 ml	ZUC025-100
		500 ml	ZUC025-500
Antibody Diluent B (Ready-to-use special diluent recommended for anti-MLH-1 and certain other specificities)	✓	25 ml	ZUC051-25
		100 ml	ZUC051-100
Antibody Diluent C (Ready-to-use) special diluent for certain antibodies	-	25 ml	ZUC103-25
		100 ml	ZUC103-100
Peroxide Block (Ready-to-use)	✓	8 ml	ZUC019-008
		100 ml	ZUC019-100
		500 ml	ZUC019-500
Blocking Solution (Ready-to-use)	✓	100 ml	ZUC007-100
Wash Buffer (20 X)	✓	500 ml	ZUC020-500
		2500 ml	ZUC020-2500
Tris-Wash Buffer (20 X)	-	500 ml	ZUC052-500
Tris-Wash Buffer B (20 X), high detergent	-	500 ml	ZUC066-500
Pink PAP Pen	-	1 Pen	ZUC064
Pink PAP Pen Mini	-	1 Pen	ZUC065
Hematoxylin, Mayer's (Lillie's Modification) (Ready-to-use)	✓	500 ml	ZUC087-500
Methylgreen (Ready-to-use)	-	500 ml	ZUC002-500
Aqueous Mount (Ready-to-use)	-	30 ml	ZY-AMT030
		60 ml	ZY-AMT060
ZytoChem Plus Biotinylated secondary antibody, broad spectrum (Ready-to-use)	✓	8 ml	ZUC008-008
		125 ml	ZUC008-125



Reagents for heat induced epitope retrieval



Antibody Diluent ZUC025



Polymer Kit POLHRP



DAB Substrate kit DAB530

Control Material

Control Material

Zytomed Systems offers control material for immunohistochemistry, *in situ* hybridization as well as for special stains. Our Cell Control Blocks and Slides are designed to establish and optimize your staining. They are also suitable as a general positive control for a particular staining.

Cell Control Blocks

Zytomed Systems offers four different Cell Control Arrays for immunohistochemistry and *in situ* hybridization. Our Cell Control Arrays are homogenous paraffin blocks containing different numbers of embedded cell lines. The small size of the control block sections allows for simultaneous mounting of patient material sections and control block sections on the same slide.

The cell lines are fixed in buffered formalin under controlled conditions. The paraffin block can be cut like any regular paraffin block on a standard microtome without any further equipment. Red dyed paraffin was used for better orientation during cutting and mounting. Sections can be mounted on normal or coated slides following standard methods. A tissue core of heart muscle is included for rapid and easy orientation of the micro array on the glass slide. All Cell Control Arrays are labelled for research use only.

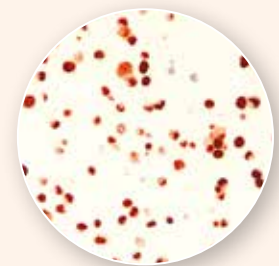
► **Zytomed Systems offers four different Cell Control Arrays**

The **Receptor Cell Control Array** contains 4 types of cores: a negative control cell line, ER positive cell line, PR positive cell line and a cell line with HER2 (ERBB2) overexpression. The cell lines will positively react to IHC staining of estrogen receptor, progesterone receptor and HER2 antibodies.

Each block consists of a set of low and a set of normal expressing cell lines. Thus, a differentiation between high and low staining intensity is possible, indicating the sensitivity of the stains. The array is suitable for immunochemistry and *in situ* hybridization.























HER2 stained on Cell Control Array Receptor



PR stained on Cell Control Array Receptor

Control Material

Immunochemistry								
Estrogen Receptor			Progesterone Receptor			HER2		
								
60 % cells show medium staining	24 % cells show weak staining	1 % cells show weak staining	28 % cells show weak staining	98 % cells show strong staining	32 % cells show strong staining	No staining	1 % cells show weak staining	100 % cells show strong staining
								
No staining	Heart muscle tissue		No staining	Heart muscle tissue		No staining	Heart muscle tissue	
In situ hybridization								
ERBB2 (HER2)								
			N = No amplification/1-2 gene copies L = Low amplification/ \leq 4 gene copies H = High amplification/ \geq 8 gene copies					
								
N	Heart muscle tissue							

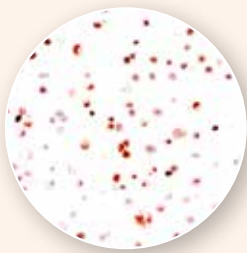
The **Virus Cell Control Array** contains cell lines infected with CMV, HSV type 1 and type 2, EBV and Polyomavirus/SV40. The array is suitable for immunochemistry and *in situ* hybridization.

The **ALK Cell Control Array** contains a core of ALK protein expressing cells and one core of ALK negative cells. It is intended to ensure a „Yes“ or „No“ answer for immunohistochemical staining. Furthermore, the Cell Control Array ALK (IHC) can be used for certain RT-PCR techniques.

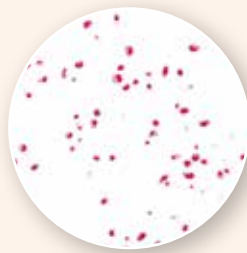
The **Bacteria Cell Control Array** contains 4 cores of cells: *Mycobacterium kansasii* serves as a positive control for the detection of acid-fast mycobacteria. *Aspergillus fumigatus* is the positive control for fungi-specific stains. Gram-positive and gram-negative bacteria are included for a Gram's or Giemsa stain. The array is suitable for special stains, immunochemistry, and immunofluorescence applications.

► Cell Control Arrays

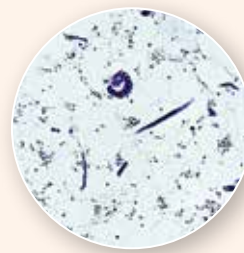
Description	Amount	Cat. No.
Cell Control Array Receptor	1 Block	MB-CC REZ
Cell Control Array Virus	1 Block	MB-CC VIR
Cell Control Array ALK (IHC)	1 Block	MB-CC ALK
Cell Control Array Bacteria plus Fungi	1 Block	MB-CC BAC



ER stained on
Cell Control Array Receptor



CMV *in situ* hybridization on
Cell Control Array Virus



PAS stain on Cell Control Array
Bacteria plus Fungi

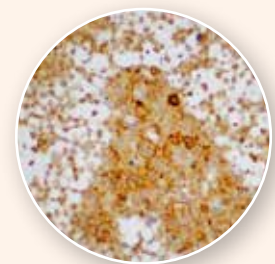
Cell Control Slides

Our control slides are unstained, slide-mounted sections of control blocks. These contain cores with different embedded cell lines. The small size of the control sections allows you to mount the control next to patient tissue. Depending on the product, the control sections are intended for different methods (IHC or ISH).

We currently offer 2 different control slides:

The Cell Control Slides PD-L1 (graded) contain 4 cell lines with graduated content of PD-L1 protein. One cell core is negative for PD-L1, the 3 other cores show a low to strong PD-L1 expression. You get 5 slides.

The Cell Control Slides HPV contain 4 cell cores with different HPV types. One cell core is negative for HPV, the other three slides contain HPV6/11, HPV16/18 and HPV31/33/35. Cores with heart muscle tissue and stained paraffin facilitate visibility and orientation on the slide. You get 5 slides.



PD-L1 immunostain on
CCS-PDL1-G

► Cell Control Slides

Description	Amount	Cat. No.
Cell Control Slides PD-L1 (graded)	5 slides	CCS-PDL1-G
Cell Control Slides HPV	5 slides	MB-CC HPV-S



MB-CC BAC
Cell Control Array
plus Fungi
31.03.2020
Germany, ++49-30-804 984 990

MB-CC VIR
Cell Control Array
Virus
U640
31.03.2020 18°C
Germany, ++49-30-804 984 990

MB-CC REZ
Cell Control Array
Receptor
U785
31.10.2019
Germany, ++49-30-804 984 990

Information

Master list for Immunohistochemistry

► Which primary antibody is used on which tissue?

Bladder	CK5, CK7, CK8, CK13, CK18, CK20, CEA, GATA-3, Ki-67, Olig2, Uroplakin II, Uroplakin III
Brain	ATRX, S-100, GFAP, Neurofilament, Myelin Basic Protein, Toxoplasma gondii, Olig2, IDH R132H
Breast	ER, PR, Ki-67, HER2, CK5/6, p63, CK14, GATA-3, Mammaglobin, EMA, CA15-3, GCDFP-15 (BRST-2), CK20, CK7, BCL2, COX-2, E-Cadherin, β -Catenin, EGFr, smooth muscle Actin, smooth muscle Myosin HMW (SMMS-1), Calponin, Caldesmon, Laminin-5, Collagen IV, CU18, TAG-72 (BRST-3), P-HER2, Cyclin-E, Cyclin-D1, CD105 (Endoglin), p120-Catenin (Catenin delta)
Cervix	CK5, CK6, CK13, CK14, CK17, CEA, p16, Stathmin
Colon	CK5, CK20, CDX-2, SATB2, CEA, EGFr, CD117 (c-kit), DOG1, Villin, Tenascin, PDGFR, β -Catenin, MLH1, MSH2, MSH6, PMS2, VEGF, VEGFr, COX-2
Esophagus	p63, CK HMW, CK pan, CK6, CK14, CK17
Germ cells	AFP, EMA, hCG, PLAP, Ferritin, WT-1, Oct-4, SALL4
Kidney	CK pan, CK8, CK18, Vimentin, EMA, Ksp-Cadherin, PAX-8, RCC (Renal Cell Carcinoma), Carbonic Anhydrase IX, GATA-3, TFE3
Liver	Glypican-3, CK LMW, AFP, CK19, Hepatitis B and C, Hepatocyte specific antigen, Arginase-1, TTF-1 (clone 8G7G3/1)
Lung	TTF-1, Napsin A, CK pan, CK7 and CK20, CK HMW, SP-A, Desmoglein, Neurofilament, CD56, ERCC1, Secretagoin, Calretinin, ALK/p80, p40, RRM1
Lymphoma, leukemia	CD45/LCA, κ (Kappa), λ (Lambda), Cyclin-D1, different CD-Markers, ZAP-70, PAX-5, TdT, BCL-2, HGAL, LMO2, PU.1, BOB.1, ALK/p80, SOX-11, Annexin 1
Macrophage	CD68, CD163
Melanoma	S-100, HMB45, MART-1 (Melan-A), Vimentin, NKI/C3, MiTF, TRP-1, Tyrosinase, SOX-10, Melanoma Associated Antigen
Muscles	Actins, Vimentin, Desmin, Myosin, Myoglobin
Neuroendocrine	Synaptophysin, Chromogranin A, Neurofilament, CD56, Secretagoin, NSE, CK20, SSTR2A, SSTR5
Ovary	PLAP, CA125, WT-1, hCG, ER, Estradiol, Testosteron, CEA, Inhibin- α , Vimentin, PAX-8
Pancreas	Insulin, Chromogranin, Glucagon, Synaptophysin, NSE, Somatostatin, CEA, CA 19-9, Trypsin
Pituitary gland	FSH, ACTH, LH, TSH, Prolactin, Human Growth Hormone
Prostate	PSA, CK HMW, p63, p40, PSAP, PIN Cocktail, P504S (AMACR), PSMA, Androgen Receptor, ERG, NKX3-1
Testicles	PLAP, hCG, AFP
Thyroid gland	TTF-1, Thyroglobulin, Galectin-3, Calcitonin, PAX8
Vascular	Podoplanin (D2-40), LYVE-1, Faktor VIII (vWF), CD34, CD31, VEGF, VEGFr, ERG

This sheet is also available for download on our homepage.

Register

Products sorted by product number

Cat. No.	Description	Page
Antibodies		
101-0630	ATRX	13
113-0230	MDM2 (Murine Double Minute 2)	47
501-2654	Amyloid Beta Precursor Protein (APP)	12
501-2954	AFP (Alpha-Fetoprotein)	11
501-3454	Alpha-1-Antichymotrypsin	11
501-3530	Amyloid Beta (A4)	12
501-3531	Amyloid Beta (A4)	12
501-3532	Amyloid Beta (A4)	12
501-3534	Amyloid Beta (A4)	12
501-4070	Androgen Receptor	12
501-4071	Androgen Receptor	12
501-4072	Androgen Receptor	12
501-4074	Androgen Receptor	12
501-4540	AFP (Alpha-Fetoprotein)	11
501-4541	AFP (Alpha-Fetoprotein)	11
501-4542	AFP (Alpha-Fetoprotein)	11
501-4544	AFP (Alpha-Fetoprotein)	11
501-4560	Arginase-1	13
501-4562	Arginase-1	13
501-4564	Arginase-1	13
501-5710	p14ARF	53
501-5711	p14ARF	53
501-5712	p14ARF	53
501-5714	p14ARF	53
501-13450	Akt1, phosphorylated Ser473	11
501-13454	Akt1, phosphorylated Ser473	11
501-14032	Annexin I (ANXA1)	12
501-14034	Annexin I (ANXA1)	12
501-16454	ACTH	10
501-16650	Actin alpha (Skeletal Muscle)	10
501-16654	Actin alpha (Skeletal Muscle)	10
501-19280	Arginase-1	13
501-19282	Arginase-1	13
501-19284	Arginase-1	13
502-3470	Bax	13
502-3472	Bax	13
502-3474	Bax	13
502-3920	B0B-1	14
502-3922	B0B-1	14
502-3924	B0B-1	14
502-4550	BCL6	14
502-4552	BCL6	14
502-4554	BCL6	14
503-1440	CD117/c-kit	25
503-1441	CD117/c-kit	25
503-1442	CD117/c-kit	25

Cat. No.	Description	Page
503-1444	CD117/c-kit	25
503-2260	Catenin (beta)	17
503-2261	Catenin (beta)	17
503-2262	Catenin (beta)	17
503-2264	Catenin (beta)	17
503-2364	Cadherin (Pan)	16
503-2504	CD95 (Fas, Apo-1)	24
503-2744	Connexin 43	29
503-2824	Cathepsin D	17
503-3031	COX-2	29
503-3034	COX-2	29
503-3354	CD4	18
503-3381	CD31 (PECAM-1)	22
503-3384	CD31 (PECAM-1)	22
503-3390	CD99	25
503-3392	CD99	25
503-3394	CD99	25
503-3411	Claudin 1	28
503-3414	Claudin 1	28
503-3534	Cytokeratin 14	31
503-3670	CD10 (CALLA)	19
503-3672	CD10 (CALLA)	19
503-3674	CD10 (CALLA)	19
503-3790	CUL-1, Cullin 1	29
503-3792	CUL-1, Cullin 1	29
503-3814	Calpain	16
503-3824	Calpastatin	16
503-3870	Cytokeratin 6	30
503-3872	Cytokeratin 6	30
503-3874	Cytokeratin 6	30
503-3900	N-Cadherin	50
503-3902	N-Cadherin	50
503-3904	N-Cadherin	50
503-3964	CD163	26
503-3980	Claudin 4	28
503-3982	Claudin 4	28
503-3984	Claudin 4	28
503-4020	Cytokeratin 8	31
503-4021	Cytokeratin 8	31
503-4022	Cytokeratin 8	31
503-4024	Cytokeratin 8	31
503-4062	CA 9 (Carbonic Anhydrase 9)	15
503-4064	CA 9 (Carbonic Anhydrase 9)	15
503-4234	CD105 (Endoglin, TGF-beta1/3-Receptor)	25
503-4490	CD38	22
503-4491	CD38	22
503-4492	CD38	22

Cat. No.	Description	Page
503-4494	CD38	22
503-4632	CD23	21
503-4634	CD23	21
503-4760	CD25	21
503-4762	CD25	21
503-4764	CD25	21
503-4820	CD13	20
503-4822	CD13	20
503-4824	CD13	20
503-4830	Cadherin 17	15
503-4832	Cadherin 17	15
503-4834	Cadherin 17	15
503-5020	CD42b	22
503-5021	CD42b	22
503-5022	CD42b	22
503-5024	CD42b	22
503-5070	Cyclin D3	29
503-5072	Cyclin D3	29
503-5074	Cyclin D3	29
503-5190	CD42b	23
503-5192	CD42b	23
503-5194	CD42b	23
503-5400	CD79b	24
503-5402	CD79b	24
503-5404	CD79b	24
503-10594	Claudin 7	28
503-14314	COX-1	29
503-17514	CD63	23
503-17530	p120, Catenin (delta)	54
503-17532	p120, Catenin (delta)	54
503-17534	p120, Catenin (delta)	54
503-18924	Cytokeratin 17	31
503-18930	CD7	19
503-18932	CD7	19
503-18934	CD7	19
503-18980	Cytokeratin 10	31
503-19020	CD22	21
503-19022	CD22	21
503-19024	CD22	21
504-2674	Dysferlin	34
504-3310	DOG1	34
504-3312	DOG1	34
504-3314	DOG1	34
504-3315	DOG1	34
505-4110	EGFR (E746-A750del)	35
505-4112	EGFR (E746-A750del)	35
505-4114	EGFR (E746-A750del)	35
505-4250	EGFR (L858R)	35
505-4251	EGFR (L858R)	35
505-4252	EGFR (L858R)	35
505-4254	EGFR (L858R)	35
505-17390	Inhibin alpha	42
506-2714	CD95L (Fas Ligand)	25
506-2804	VEGFr-1 (Flt-1)	67

Cat. No.	Description	Page
506-3714	VEGFr-2 (Flk-1, KDR)	67
506-3874	VEGFr-3 (Flt-4)	67
506-3970	FOXP3	38
506-3972	FOXP3	38
506-3974	FOXP3	38
506-4281	Fli-1	37
506-4284	Fli-1	37
506-4890	CD16a	20
506-4891	CD16a	20
506-4892	CD16a	20
506-4894	CD16a	20
506-5370	FBXW7	37
506-5372	FBXW7	37
506-5374	FBXW7	37
506-10574	FGFr2 (Fibroblast Growth Factor Receptor)	37
506-10581	FGFr1 (Fibroblast Growth Factor Receptor)	37
506-10584	FGFr1 (Fibroblast Growth Factor Receptor)	37
507-2580	Granzyme B	39
507-2581	Granzyme B	39
507-2582	Granzyme B	39
507-2584	Granzyme B	39
507-4490	Gastrin-1	38
507-4491	Gastrin-1	38
507-4494	Gastrin-1	38
507-4680	GLUT-1 (Glucose Transporter 1)	39
507-4682	GLUT-1 (Glucose Transporter 1)	39
507-4684	GLUT-1 (Glucose Transporter 1)	39
507-17471	Growth Hormone, Human (hGH)	39
507-17472	Growth Hormone, Human (hGH)	39
507-17474	Growth Hormone, Human (hGH)	39
508-3711	HER3 (c-erbB-3)	41
508-3714	HER3 (c-erbB-3)	41
508-12330	Heat Shock Protein 70 (HSP70)	39
508-12332	Heat Shock Protein 70 (HSP70)	39
508-12334	Heat Shock Protein 70 (HSP70)	39
509-3980	CD278	26
509-3982	CD278	26
509-3984	CD278	26
509-4084	IKAROS	42
510-4054	J-Chain	43
511-4480	Kappa Light Chain	43
511-4481	Kappa Light Chain	43
511-4482	Kappa Light Chain	43
511-4484	Kappa Light Chain	43
511-16524	Kappa Light Chain	43
511-18310	KOC/L523S (IMP3)	44
511-18311	KOC/L523S (IMP3)	44
511-18312	KOC/L523S (IMP3)	44
511-18314	KOC/L523S (IMP3)	44
512-4320	Luteinizing Hormone (LH)	45
512-4322	Luteinizing Hormone (LH)	45
512-4324	Luteinizing Hormone (LH)	45
512-4470	Lambda Light Chain	44
512-4472	Lambda Light Chain	44

Cat. No.	Description	Page
512-4474	Lambda Light Chain	44
512-17484	Luteinizing Hormone (LH)	45
513-2990	Myoglobin	50
513-2991	Myoglobin	50
513-2992	Myoglobin	50
513-2994	Myoglobin	50
513-3542	MUC1 (Mucin 1, EMA, CD227, CA 15-3)	49
513-3544	MUC1 (Mucin 1, EMA, CD227, CA 15-3)	49
513-3664	MMP-9 (Matrix Metalloproteinase 9, Gelatinase B)	48
513-3720	Myeloperoxidase (MPO)	50
513-3722	Myeloperoxidase (MPO)	50
513-3724	Myeloperoxidase (MPO)	50
513-3740	Mesothelin	47
513-3741	Mesothelin	47
513-3742	Mesothelin	47
513-3744	Mesothelin	47
513-3850	MCM2	46
513-3852	MCM2	46
513-3934	MSH6 (MutS homologue 6, Mismatch Repair Protein)	49
513-4504	MAGE-1	46
513-5410	MUC4 (Mucin 4)	49
513-5412	MUC4 (Mucin 4)	49
513-5414	MUC4 (Mucin 4)	49
513-11082	MUC5AC (Mucin 5AC)	49
513-16560	MUC2 (Mucin 2)	49
513-16561	MUC2 (Mucin 2)	49
513-16562	MUC2 (Mucin 2)	49
513-16564	MUC2 (Mucin 2)	49
514-2750	NFkappaB (p65) (rel A)	51
514-2754	NFkappaB (p65) (rel A)	51
514-3300	NSE (Neuron Specific Enolase)	52
514-3302	NSE (Neuron Specific Enolase)	52
514-3304	NSE (Neuron Specific Enolase)	52
514-3634	NFkappaB (p50)	51
514-4030	Nestin	51
514-4032	Nestin	51
514-4034	Nestin	51
514-10861	Notch-1	52
514-10864	Notch-1	52
514-14101	NKX3-1	52
514-14104	NKX3-1	52
516-2690	PDGFr alpha (Platelet Derived Growth Factor Receptor Alpha, CD140a)	56
516-2692	PDGFr alpha (Platelet Derived Growth Factor Receptor Alpha, CD140a)	56
516-2694	PDGFr alpha (Platelet Derived Growth Factor Receptor Alpha, CD140a)	56
516-2730	PDGFr beta (Platelet Derived Growth Factor Receptor Beta, CD140b)	56
516-2732	PDGFr beta (Platelet Derived Growth Factor Receptor Beta, CD140b)	56
516-2734	PDGFr beta (Platelet Derived Growth Factor Receptor Beta, CD140b)	56
516-2852	PCNA (Proliferating Cell Nuclear Antigen)	55

Cat. No.	Description	Page
516-2854	PCNA (Proliferating Cell Nuclear Antigen)	55
516-2981	Lactogen, placental (hPL)	44
516-2984	Lactogen, placental (hPL)	44
516-3291	PsCA (Prostata Stem Cell Antigen)	59
516-3294	PsCA (Prostata Stem Cell Antigen)	59
516-3340	Protein Gene Product 9.5 (PGP9.5, UCHL1)	58
516-3341	Protein Gene Product 9.5 (PGP9.5, UCHL1)	58
516-3344	Protein Gene Product 9.5 (PGP9.5, UCHL1)	58
516-16711	DOG1	33
516-16714	DOG1	33
516-17490	Prolactin (LTH, Luteotropic Hormone, Lactogenic Hormone)	58
516-17491	Prolactin (LTH, Luteotropic Hormone, Lactogenic Hormone)	58
516-17492	Prolactin (LTH, Luteotropic Hormone, Lactogenic Hormone)	58
516-17494	Prolactin (LTH, Luteotropic Hormone, Lactogenic Hormone)	58
516-17754	Prohibitin	58
516-17894	Parathyroid Hormone Receptor 1 (PTHr)	55
516-18660	PD-1 (CD279)	56
516-18661	PD-1 (CD279)	56
516-18662	PD-1 (CD279)	56
516-18664	PD-1 (CD279)	56
517-3290	PSMA (Prostate Specific Membrane Antigen)	59
517-3292	PSMA (Prostate Specific Membrane Antigen)	59
517-3294	PSMA (Prostate Specific Membrane Antigen)	59
518-4314	Retinoblastoma (Rb)	59
519-2794	Synuclein (Pan)	63
519-3490	Stathmin	62
519-3491	Stathmin	62
519-3492	Stathmin	62
519-3494	Stathmin	62
519-3594	STAT5a	62
519-3761	SOX2	61
519-3764	SOX2	61
519-3794	Survivin	63
519-4290	STAT6	62
519-4292	STAT6	62
519-4294	STAT6	62
519-4444	S100A4	60
519-5130	CD169	26
519-5132	CD169	26
519-5134	CD169	26
519-6060	SMAD4	61
519-6061	SMAD4	61
519-6062	SMAD4	61
519-6064	SMAD4	61
520-3704	TAU	63
520-3812	Tubulin, beta	66
520-3814	Tubulin, beta	66
520-4074	Thyroid Hormone Receptor beta (THRb)	64
520-4124	Thymidylate Synthase (TS)	64
520-4134	Tubulin, alpha	66
520-17500	TSH (Thyroid Stimulating Hormone)	66
520-17502	TSH (Thyroid Stimulating Hormone)	66
520-17504	TSH (Thyroid Stimulating Hormone)	66
520-18022	TGF beta II (Transforming Growth Factor)	64

Cat. No.	Description	Page
520-18024	TGF beta II (Transforming Growth Factor)	64
520-18864	Topoisomerase I	65
521-3350	Ubiquitin	67
521-3352	Ubiquitin	67
521-3354	Ubiquitin	67
522-2614	VEGF-A (Vascular Endothelial Growth Factor)	67
522-4172	Vinculin	68
522-4450	Villin	68
522-4452	Villin	68
522-4454	Villin	68
523-3990	WT1 (Wilm's Tumor Protein-1)	68
523-3991	WT1 (Wilm's Tumor Protein-1)	68
523-3992	WT1 (Wilm's Tumor Protein-1)	68
523-3994	WT1 (Wilm's Tumor Protein-1)	68
526-12520	ZAP-70	68
526-12524	ZAP-70	68
603-1840	Cdk4 (Cyclin dependent Kinase)	27
609-0755	Insulin	42
613-0047	Mast Cell Tryptase	46
613-0282	Mycobacterium tuberculosis	49
620-0262	Treponema pallidum	65
RBG018	Estrogen Receptor	36
BMS001	Actin alpha (Smooth Muscle)	10
BMS003	CD20	21
BMS005	CD79a	24
BMS006	Cytokeratin Broad Spectrum	32
BMS007	Desmin	33
BMS010	Melanosome (HMB45)	47
BMS012	Vimentin	68
BMS013	S100	60
BMS014	HER2 (c-erbB-2) Intracellular domain	40
BMS015	Cytokeratin (HMW)	32
BMS016	TTF-1 (Thyroid Transcription Factor 1)	66
BMS017	Cytokeratin 5 & 6	30
BMS018	Chromogranin A	28
BMS023	Cytokeratin 5 & 14	30
BMS026	pan B-Cocktail (CD20 & PAX-5)	54
BMS029	CEA	28
BMS030	Cytokeratin 7	30
BMS033	MLH1	48
BMS034	MSH2 (MutS homologue 2, Mismatch Repair Protein)	48
BMS037	Cytokeratin 20	32
BMS043	CD10 (CALLA)	19
BMS044*	CD31 (PECAM-1)	22
BMS045*	CD34	22
BMS046	CD45 (LCA)	23
BMS048	Epithelial Specific Antigen (ESA, Ep-CAM)	36
BMS050	p40 (ΔNp63)	53
BMS051	pan Basalcell-Cocktail (p63 & Cytokeratin 5/14)	54
BMS052	p63	53
BMS054	GATA3	38
BMS056	Cytokeratin Pan	33
BMS057	Cytokeratin Pan Plus (AE1 & AE3 & 5D3)	33
BMS059*	Glypican-3	39

Cat. No.	Description	Page
BMS064	p53	53
BMS066*	CD15	20
BMS068	SATB2	60
BRB022	Calretinin	17
BRB027*	PAX-5	55
BRB028	CDX-2	27
BRB032	Helicobacter pylori	40
BRB035	P5045 (AMACR)	54
BRB036	CD8	19
BRB038	Progesterone Receptor	57
BRB039	CD56	23
BRB040	Ki-67	43
BRB041*	CD3	18
BRB042	CD4	18
BRB047	E-Cadherin	34
BRB049	GLUT-1 (Glucose Transporter 1)	38
BRB053*	Estrogen Receptor	36
BRB055	BCL2	13
BRB063	CD3	18
Cat. No.	Topoisomerase I	65
CO001K	PIN Cocktail (P5045+p63)	56
CO001K-05	PIN Cocktail (P5045+p63)	56
CO002K	pan B-Cocktail (CD20 & PAX-5)	54
CO002K-05	pan B-Cocktail (CD20 & PAX-5)	54
CO004K	TTF-1 + Cytokeratin 5/6 Cocktail	66
CO004K-05	TTF-1 + Cytokeratin 5/6 Cocktail	66
CO005K	pan Basalcell-Cocktail (p63 & Cytokeratin 5/14)	54
CO005K-05	pan Basalcell-Cocktail (p63 & Cytokeratin 5/14)	54
COG001	PIN Cocktail (P5045+p63)	56
COG002	pan B-Cocktail (CD20 & PAX-5)	54
COG004	TTF-1 + Cytokeratin 5/6 Cocktail	66
COG005	pan Basalcell-Cocktail (p63 & Cytokeratin 5/14)	54
COG006	HSV Cocktail	41
MSG004	TTF-1 (Thyroid Transcription Factor 1)	66
MSG007	Melanosome (HMB45)	47
MSG008	CD20	21
MSG011	CD8	19
MSG016	Cytokeratin 18	31
MSG017	Cytokeratin 19	32
MSG018	Ki-67	43
MSG019	Cytokeratin Broad Spectrum	32
MSG020	p53	53
MSG022	CEA	28
MSG023	Vimentin	68
MSG027	Cytokeratin (HMW)	32
MSG030	Actin alpha (Smooth Muscle)	10
MSG031	MSH2 (MutS homologue 2, Mismatch Repair Protein)	48
MSG032	Cytokeratin 7	30
MSG033	E-Cadherin	34
MSG034	Cytokeratin 5 & 6	30
MSG035	Cytokeratin 8 & 18	31
MSG036	CD79a	24
MSG039	Thyroglobulin	64
MSG044	HER2 (c-erbB-2) Intracellular domain	40

Cat. No.	Description	Page
MSG050	S100	60
MSG051	PSA (Prostate Specific Antigen)	59
MSG053	Desmin	33
MSG054	CD45 (LCA)	23
MSG055	CD68	24
MSG056	MART-1 (Melan-A)	46
MSG057	Podoplanin (Lymphatic endothelium marker)	57
MSG059	EMA (Epithelial Membrane Antigen)	35
MSG060	Neurofilament L + H (70/200kD)	51
MSG061	CD30 (Ki-1)	22
MSG062	Chromogranin A	28
MSG063	CD138 (Syndecan-1)	25
MSG066	Epithelial Specific Antigen (ESA, Ep-CAM)	35
MSG067	Glypican-3	39
MSG068	Ksp-Cadherin	44
MSG070	CD10 (CALLA)	19
MSG072	Parathyroid Hormone (PTH)	55
MSG073	Oct-2 (Octamer Binding Transcription Factor 2)	52
MSG080	Melanoma Associated Antigen KBA.62	47
MSG081	Myosin SM Heavy Chain	50
MSG082	Melanoma Associated Antigen PNL2	47
MSG084	IgG4	42
MSG085	HHV-8 (Human Herpes Virus 8)	41
MSG086	CD61	23
MSG088	HGAL (GCET2)	41
MSG089	S100P (placental S100)	60
MSG090	ERG	36
MSG091	CD31 (PECAM-1)	22
MSG093	CD11c	20
MSG094	CA 19-9 Antigen (Colon)	15
MSG095	SOX11	62
MSG097	p40 (Δ Np63)	53
MSG098	Cytokeratin Pan Plus (AE1 & AE3 & 5D3)	33
MSG100	GATA3	38
MSG102	Uroplakin II	67
MSG103	Langerin	44
MSG105	Cadherin 17	15
MSG106	Cytokeratin 5 & 14	30
MSG107	PAX-8	55
MSG108	CD15	20
MSG110	CA 125	15
MSG111	TTF-1	66
MSG112	Myogenin	50
MSG113	Cytokeratin Pan	33
MSG114	Epstein-Barr Virus Cocktail	36
MSG115	Olig2	52
MSG116	CTLA4	29
MSG117	SOX10	62
MSG118	IDH1 R132H	42
MSG119	Cytokeratin 20	32
MSG120	CD5	19
MSG121	Cytomegalovirus (CMV)	33
MSG123	p16 INK4a	53
MSK004	TTF-1 (Thyroid Transcription Factor 1)	66

Cat. No.	Description	Page
MSK004-05	TTF-1 (Thyroid Transcription Factor 1)	66
MSK007	Melanosome (HMB45)	47
MSK007-05	Melanosome (HMB45)	47
MSK008	CD20	21
MSK008-05	CD20	21
MSK011	CD8	19
MSK011-05	CD8	19
MSK014-05	EGFR	34
MSK016	Cytokeratin 18	31
MSK016-05	Cytokeratin 18	31
MSK017	Cytokeratin 19	32
MSK017-05	Cytokeratin 19	32
MSK018	Ki-67	43
MSK018-05	Ki-67	43
MSK019	Cytokeratin Broad Spectrum	32
MSK019-05	Cytokeratin Broad Spectrum	32
MSK020	p53	53
MSK020-05	p53	53
MSK022	CEA	28
MSK022-05	CEA	28
MSK023	Vimentin	68
MSK023-05	Vimentin	68
MSK027	Cytokeratin (HMW)	32
MSK027-05	Cytokeratin (HMW)	32
MSK030	Actin alpha (Smooth Muscle)	10
MSK030-05	Actin alpha (Smooth Muscle)	10
MSK031-05	MSH2 (MutS homologue 2, Mismatch Repair Protein)	48
MSK032	Cytokeratin 7	30
MSK032-05	Cytokeratin 7	30
MSK033	E-Cadherin	34
MSK033-05	E-Cadherin	34
MSK034	Cytokeratin 5 & 6	30
MSK034-05	Cytokeratin 5 & 6	30
MSK035	Cytokeratin 8 & 18	31
MSK035-05	Cytokeratin 8 & 18	31
MSK036	CD79a	24
MSK036-05	CD79a	24
MSK039	Thyroglobulin	64
MSK039-05	Thyroglobulin	64
MSK043-05	CD19	20
MSK044	HER2 (c-erbB-2) Intracellular domain	40
MSK044-05	HER2 (c-erbB-2) Intracellular domain	40
MSK045-05	MLH1 (including Antibody Diluent B)	48
MSK050	S100	60
MSK050-05	S100	60
MSK051	PSA (Prostate Specific Antigen)	59
MSK051-05	PSA (Prostate Specific Antigen)	59
MSK052-05	Uroplakin III	67
MSK053	Desmin	33
MSK053-05	Desmin	33
MSK054	CD45 (LCA)	23
MSK054-05	CD45 (LCA)	23
MSK055	CD68	24
MSK055-05	CD68	24

Cat. No.	Description	Page
MSK056	MART-1 (Melan-A)	46
MSK056-05	MART-1 (Melan-A)	46
MSK057	Podoplanin (Lymphatic endothelium marker)	57
MSK057-05	Podoplanin (Lymphatic endothelium marker)	57
MSK059	EMA (Epithelial Membrane Antigen)	35
MSK059-05	EMA (Epithelial Membrane Antigen)	35
MSK060	Neurofilament L + H (70/200kD)	51
MSK060-05	Neurofilament L + H (70/200kD)	51
MSK061	CD30 (Ki-1)	22
MSK061-05	CD30 (Ki-1)	22
MSK062	Chromogranin A	28
MSK062-05	Chromogranin A	28
MSK063	CD138 (Syndecan-1)	25
MSK063-05	CD138 (Syndecan-1)	25
MSK064-05	PMS2	57
MSK065	CD43	23
MSK065-05	CD43	23
MSK066	Epithelial Specific Antigen (ESA, Ep-CAM)	35
MSK066-05	Epithelial Specific Antigen (ESA, Ep-CAM)	35
MSK067-05	Glypican-3	39
MSK068	Ksp-Cadherin	44
MSK068-05	Ksp-Cadherin	44
MSK070	CD10 (CALLA)	19
MSK070-05	CD10 (CALLA)	19
MSK072	Parathyroid Hormone (PTH)	55
MSK072-05	Parathyroid Hormone (PTH)	55
MSK073-05	Oct-2 (Octamer Binding Transcription Factor 2)	52
MSK078-05	INI-1	42
MSK079-05	SALL4	60
MSK080-05	Melanoma Associated Antigen KBA.62	47
MSK081-05	Myosin SM Heavy Chain	50
MSK082-05	Melanoma Associated Antigen PNL2	47
MSK084-05	IgG4	42
MSK085-05	HHV-8 (Human Herpes Virus 8)	41
MSK086	CD61	23
MSK086-05	CD61	23
MSK087	p63	53
MSK087-05	p63	53
MSK088-05	HGAL (GCET2)	41
MSK089-05	S100P (placental S100)	60
MSK090-05	ERG	36
MSK091	CD31 (PECAM-1)	22
MSK091-05	CD31 (PECAM-1)	22
MSK093-05	CD11c	20
MSK094-05	CA 19-9 Antigen (Colon)	15
MSK095-05	SOX11	62
MSK096-05	ALK/p80 (Anaplastic Lymphoma Kinase)	11
MSK097	p40 (Δ Np63)	53
MSK097-05	p40 (Δ Np63)	53
MSK098-05	Cytokeratin Pan Plus (AE1 & AE3 & 5D3)	33
MSK100-05	GATA3	38
MSK101-05	SATB2	60
MSK102-05	Uroplakin II	67
MSK103-05	Langerin	44

Cat. No.	Description	Page
MSK104-05	Tenascin C (TNC)	64
MSK105-05	Cadherin 17	15
MSK106	Cytokeratin 5 & 14	30
MSK106-05	Cytokeratin 5 & 14	30
MSK107-05	PAX-8	55
MSK108-05	CD15	20
MSK109	Epithelial Specific Antigen (ESA, Ep-CAM)	36
MSK109-05	Epithelial Specific Antigen (ESA, Ep-CAM)	36
MSK111-05	TTF-1	66
MSK112-05	Myogenin	50
MSK113	Cytokeratin Pan	33
MSK113-05	Cytokeratin Pan	33
MSK114-05	Epstein-Barr Virus Cocktail	36
MSK115-05	Olig2	52
MSK116-05	CTLA4	29
MSK117-05	SOX10	62
MSK118-01	IDH1 R132H	42
MSK118-05	IDH1 R132H	42
MSK119	Cytokeratin 20	32
MSK119-05	Cytokeratin 20	32
MSK120-05	CD5	19
MSK121-05	Cytomegalovirus (CMV)	33
MSK122	CD34	22
MSK122-05	CD34	22
MSK123-05	p16 INK4a	53
RBG002	P504S (AMACR)	54
RBG003	Calretinin	17
RBG008	PAX-5	55
RBG011	Synaptophysin	63
RBG012	Helicobacter pylori	40
RBG015	CD3	18
RBG016	BCL2	13
RBG019	CDX-2	27
RBG020	Progesterone Receptor	57
RBG022	Mammaglobin	46
RBG024	CD3	18
RBG026	HER2 (c-erbB-2) Extracellular domain	40
RBG027	Ki-67	43
RBG029	CD79a	24
RBG032	GCDFP-15 (Gross Cystic Disease Fluid Protein, BRST-2)	38
RBG034	C3d (Complement factor)	14
RBG036	CD21	21
RBG037	GFAP (Glial Fibrillary Acidic Protein)	38
RBG040	Caldesmon	16
RBG041	Calponin-1	16
RBG042	PU.1	59
RBG043	E-Cadherin	34
RBG044	Factor XIIIa (Fibrinolytic, Plasma Transglutaminase)	36
RBG045	CD1a	18
RBG047	PAX-8	55
RBG048	PMS2	57
RBG049	T-bet	63
RBG050	CD56	23
RBG052	TdT (Terminal Desoxynucleotidyl Transferase)	63

Cat. No.	Description	Page
RBG054	p40 (Δ Np63)	53
RBG057	SOX10	61
RBG059	Napsin A	50
RBG061	C4d (Complement factor)	14
RBG062	NKX3-1	51
RBG063	PD-L1 (CD274)	56
RBG064	Protein Gene Product 9.5 (PGP9.5, UCHL1)	58
RBG065	Spirochete (<i>Treponema pallidum</i>)	62
RBG067	HER2 (c-erbB-2)	40
RBK002	P504S (AMACR)	54
RBK002-05	P504S (AMACR)	54
RBK003	Calretinin	17
RBK003-05	Calretinin	17
RBK007-05	Mammaglobin	46
RBK008	PAX-5	55
RBK008-05	PAX-5	55
RBK009-05	Caspase-3, cleaved (CPP32)	17
RBK011	Synaptophysin	63
RBK011-05	Synaptophysin	63
RBK012	<i>Helicobacter pylori</i>	40
RBK012-05	<i>Helicobacter pylori</i>	40
RBK014-05	LYVE-1	45
RBK015	CD3	18
RBK015-05	CD3	18
RBK016	BCL2	13
RBK016-05	BCL2	13
RBK017-05	Oct-4	52
RBK018	Estrogen Receptor	36
RBK018-05	Estrogen Receptor	36
RBK019	CDX-2	27
RBK019-05	CDX-2	27
RBK020	Progesterone Receptor	57
RBK020-05	Progesterone Receptor	57
RBK022-05	Mammaglobin	46
RBK023-05	CD5	18
RBK024	CD3	18
RBK024-05	CD3	18
RBK025-05	Cyclin D1	29
RBK026	HER2 (c-erbB-2) Extracellular domain	40
RBK026-05	HER2 (c-erbB-2) Extracellular domain	40
RBK027	Ki-67	43
RBK027-05	Ki-67	43
RBK029	CD79a	24
RBK029-05	CD79a	24
RBK030	CD20	21
RBK030-05	CD20	21
RBK032-05	GCDFFP-15 (Gross Cystic Disease Fluid Protein, BRST-2)	38
RBK033-05	CD14	20
RBK034-05	C3d (Complement factor)	14
RBK035-05	Hemoglobin A	40
RBK036-05	CD21	21
RBK037	GFAP (Glial Fibrillary Acidic Protein)	38
RBK037-05	GFAP (Glial Fibrillary Acidic Protein)	38
RBK038	Calcitonin	16

Cat. No.	Description	Page
RBK038-05	Calcitonin	16
RBK040-05	Caldesmon	16
RBK041-05	Calponin-1	16
RBK042-05	PU.1	59
RBK043	E-Cadherin	34
RBK043-05	E-Cadherin	34
RBK044	Factor XIIIa (Fibrinolyase, Plasma Transglutaminase)	36
RBK044-05	Factor XIIIa (Fibrinolyase, Plasma Transglutaminase)	36
RBK045-05	CD1a	18
RBK046-05	Somatostatin Receptor 2A (SSTR2A)	61
RBK047-05	PAX-8	55
RBK049-05	T-bet	63
RBK050	CD56	23
RBK050-05	CD56	23
RBK051-05	Somatostatin Receptor 5 (SSTR5)	61
RBK052	TdT (Terminal Desoxynucleotidyl Transferase)	63
RBK052-05	TdT (Terminal Desoxynucleotidyl Transferase)	63
RBK054-05	p40 (Δ Np63)	53
RBK055-02	Trypsin (Human pancreatic)	65
RBK056	PLAP (Placental Alkaline Phosphatase)	57
RBK056-05	PLAP (Placental Alkaline Phosphatase)	57
RBK057-05	SOX10	61
RBK059-05	Napsin A	50
RBK060-05	<i>Toxoplasma gondii</i>	65
RBK061-05	C4d (Complement factor)	14
RBK062-05	NKX3-1	51
RBK063-05	PD-L1 (CD274)	56
RBK064-05	Protein Gene Product 9.5 (PGP9.5, UCHL1)	58
RBK065-05	Spirochete (<i>Treponema pallidum</i>)	62
RBK066-01	TFE3	64
RBK067	HER2 (c-erbB-2)	40
RBK067-05	HER2 (c-erbB-2)	40
RBK068-05	<i>Toxoplasma gondii</i>	65
Z-465-01-Y	Cytokeratin (OSCAR)	32
Z-465-26-Y	Cytokeratin (OSCAR)	32

Detection Systems, Ancillary Reagents, Control Material		
AP008RED	ZytoChem Plus (AP) Broad Spectrum (Permanent Red) Kit	75
AP008RED-MS	ZytoChem Plus (AP) Anti-Mouse (Permanent Red) Kit	75
AP008RED-RB	ZytoChem Plus (AP) Anti-Rabbit (Permanent Red) Kit	75
AP060	ZytoChem Plus (AP) Broad Spectrum Kit	75
AP060-MS	ZytoChem Plus (AP) Anti-Mouse Kit	75
AP060-RB	ZytoChem Plus (AP) Anti-Rabbit Kit	75
AP125	ZytoChem Plus (AP) Broad Spectrum Kit	75
AP125-MS	ZytoChem Plus (AP) Anti-Mouse Kit	75
AP125-RB	ZytoChem Plus (AP) Anti-Rabbit Kit	75
AP500	ZytoChem Plus (AP) Broad Spectrum Kit	75
AP500-MS	ZytoChem Plus (AP) Anti-Mouse Kit	75
AP500-RB	ZytoChem Plus (AP) Anti-Rabbit Kit	75
CCS-PDL1-G	Cell Control Slides PD-L1 (graded)	82
DAB057	DAB Substrate Kit (2 components; for permanent mounting)	78
DAB500plus	DAB High contrast Kit (2 components; for permanent mounting)	78

Cat. No.	Description	Page
DAB530	DAB Substrate Kit (2 components; for permanent mounting)	78
DAB5000plus	DAB High contrast Kit (2 components; for permanent mounting)	78
HRP008AEC	ZytoChem Plus (HRP) Anti-Mouse (AEC) Kit	74
HRP008AEC-MS	ZytoChem Plus (HRP) Anti-Mouse (AEC) Kit	75
HRP008AEC-RB	ZytoChem Plus (HRP) Anti-Rabbit (AEC) Kit	75
HRP008DAB	ZytoChem Plus (HRP) Broad Spectrum (DAB) Kit	75
HRP008DAB-MS	ZytoChem Plus (HRP) Anti-Mouse (DAB) Kit	75
HRP008DAB-RB	ZytoChem Plus (HRP) Anti-Rabbit (DAB) Kit	75
HRP060	ZytoChem Plus (HRP) Broad Spectrum Kit	75
HRP060-MS	ZytoChem Plus (HRP) Anti-Mouse Kit	75
HRP060-RB	ZytoChem Plus (HRP) Anti-Rabbit Kit	75
HRP125	ZytoChem Plus (HRP) Broad Spectrum Kit	75
HRP125-MS	ZytoChem Plus (HRP) Anti-Mouse Kit	75
HRP125-RB	ZytoChem Plus (HRP) Anti-Rabbit Kit	75
HRP500	ZytoChem Plus (HRP) Broad Spectrum Kit	75
HRP500-MS	ZytoChem Plus (HRP) Anti-Mouse Kit	75
HRP500-RB	ZytoChem Plus (HRP) Anti-Rabbit Kit	75
MB-CC ALK	Cell Control Array ALK (IHC)	82
MB-CC BAC	Cell Control Array Bacteria plus Fungi	82
MB-CC HPV-S	Cell Control Slides HPV	82
MB-CC REZ	Cell Control Array Receptor	82
MB-CC VIR	Cell Control Array Virus	82
POL2DS-006	ZytoChem Plus 2-Step Double Stain Polymer Kit *	74
POL2DS-100	ZytoChem Plus 2-Step Double Stain Polymer Kit *	74
POLAP-006	ZytoChem Plus (AP) Polymer Kit anti-Mouse/Rabbit	74
POLAP-100	ZytoChem Plus (AP) Polymer Kit anti-Mouse/Rabbit	74
POLDS-006	ZytoChem Plus Double Stain Polymer Kit *	74
POLDS-100	ZytoChem Plus Double Stain Polymer Kit *	74
POLHRP-006	ZytoChem Plus (HRP) Polymer Kit anti-Mouse/Rabbit	73
POLHRP-100	ZytoChem Plus (HRP) Polymer Kit anti-Mouse/Rabbit	73
ZUC001-125	Permanent AP Red Kit (2 components; for permanent mounting)	78
ZUC001-500	Permanent AP Red Kit (2 components; for permanent mounting)	78
ZUC002-500	Methylgreen (Ready-to-use)	79
ZUC007-100	Blocking Solution (Ready-to-use)	79
ZUC008-008	ZytoChem Plus Biotinylated secondary antibody, broad spectrum (Ready-to-use)	79
ZUC008-125	ZytoChem Plus Biotinylated secondary antibody, broad spectrum (Ready-to-use)	79
ZUC019-008	Peroxide Block (Ready-to-use)	79
ZUC019-100	Peroxide Block (Ready-to-use)	79
ZUC019-500	Peroxide Block (Ready-to-use)	79
ZUC020-500	Wash Buffer (20 X)	79
ZUC020-2500	Wash Buffer (20 X)	79
ZUC025-100	Antibody Diluent (Ready-to-use)	79
ZUC025-500	Antibody Diluent (Ready-to-use)	79
ZUC028-100	Zytomed Systems HIER Citrate Buffer pH 6.0 (10 X)	77
ZUC028-500	Zytomed Systems HIER Citrate Buffer pH 6.0 (10 X)	77
ZUC029-100	Zytomed Systems HIER T-EDTA Buffer pH 9.0 (10 X)	77
ZUC029-500	Zytomed Systems HIER T-EDTA Buffer pH 9.0 (10 X)	77
ZUC031-006	ZytoChem Plus (AP) Polymer anti-Rabbit	74

Cat. No.	Description	Page
ZUC032-006	ZytoChem Plus (HRP) Polymer anti-Rabbit	73
ZUC032-100	ZytoChem Plus (HRP) Polymer anti-Rabbit	73
ZUC037-008	AEC Single Solution (Ready-to-use; for aqueous mounting)	78
ZUC037-100	AEC Single Solution (Ready-to-use; for aqueous mounting)	78
ZUC038-060	Pepsin (Ready-to-use)	77
ZUC040-100	Zytomed Systems HIER EDTA Buffer pH 8.0 (10 X)	77
ZUC040-500	Zytomed Systems HIER EDTA Buffer pH 8.0 (10 X)	77
ZUC042-050	AEC Substrate Kit (2 components; for aqueous mounting)	78
ZUC042-500	AEC Substrate Kit (2 components; for aqueous mounting)	78
ZUC043-155	Trypsin Pretreatment Kit (2 components)	77
ZUC050-006	ZytoChem Plus (HRP) Polymer anti-Mouse	73
ZUC050-100	ZytoChem Plus (HRP) Polymer anti-Mouse	73
ZUC051-25	Antibody Diluent B (Ready-to-use special diluent recommended for anti-MLH-1 and certain other specificities)	79
ZUC051-100	Antibody Diluent B (Ready-to-use special diluent recommended for anti-MLH-1 and certain other specificities)	79
ZUC052-500	Tris-Wash Buffer (20 X)	79
ZUC053-006	ZytoChem Plus (HRP) One-Step Polymer anti-Mouse/Rabbit	73
ZUC053-100	ZytoChem Plus (HRP) One-Step Polymer anti-Mouse/Rabbit	73
ZUC054-200	Permanent AEC Kit (4 components; for permanent mounting)	78
ZUC064	Pink PAP Pen	79
ZUC065	Pink PAP Pen Mini	79
ZUC066-500	Tris-Wash Buffer B (20 X), high detergent	79
ZUC067-100	OmniPrep Solution pH 9.0 (10 X)	77
ZUC067-500	OmniPrep Solution pH 9.0 (10 X)	77
ZUC068-006	ZytoChem Fast (AP) One-Step Polymer anti-Mouse/Rabbit	74
ZUC068-100	ZytoChem Fast (AP) One-Step Polymer anti-Mouse/Rabbit	74
ZUC070-100	Permanent HRP Green Kit (2 components; for permanent mounting)	78
ZUC077-006	ZytoChemPlus (AP) Polymer anti-Mouse	74
ZUC077-100	ZytoChemPlus (AP) Polymer anti-Mouse	74
ZUC079-100	OmniPrep Solution pH 6.0 (10 X)	77
ZUC079-500	OmniPrep Solution pH 6.0 (10 X)	77
ZUC087-500	Hematoxylin, Mayer's (Lillie's Modification) (Ready-to-use)	79
ZUC103-25	Antibody Diluent C (Ready-to-use) special diluent for certain antibodies	79
ZUC103-100	Antibody Diluent C (Ready-to-use) special diluent for certain antibodies	79
ZY0007	Proteinase K (Ready-to-use)	77
ZY0008	Pronase (Ready-to-use)	77
ZY0009	Pronase (Ready-to-use)	77
ZY-AMT030	Aqueous Mount (Ready-to-use)	79
ZY-AMT060	Aqueous Mount (Ready-to-use)	79

