Genemed®
Advanced Staining Catalog

IHC antibodies, detection systems, and ancillary reagents

continuous innovation for pathology

SAKURA®

Welcome to the Genemed® Advanced Staining Catalog!

At Sakura Finetek USA we incorporate quality from the inside out, from our dedicated employees and efficient operations to our finished products. We are FDA registered and ISO-13485:2016 certified. Every part of our facility, systems, and processes are continuously monitored to ensure that we meet the highest standards of quality and customer satisfaction.

Global mission statement

"Continuous innovation for pathology" by providing integrated solutions for anatomic pathology and patients through best-in-class innovation, quality, and customer care.

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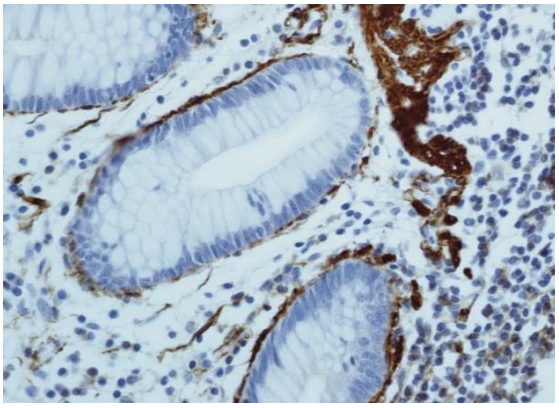
Primary antibodies

Actin

IVD

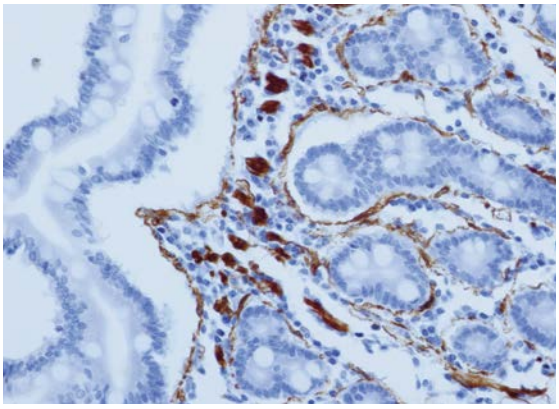


Clone:	HHF35	
Host, clonality:	mouse monoclonal	
Tissue control:	appendix, colon	
Staining pattern:	cytoplasmic	
Product codes:	60-0002-7	7 mL RTU
	61-0002	1 mL concentrate

This antibody recognizes all muscular actin isotypes. It labels myoepithelial, smooth muscle, skeletal, cardiac muscle cells and leiomyomas. It has been reported to react with pericytes and reactive myofibroblasts. Positive staining cells have been reported in some sarcomas, representing either myofibroblasts or pericytes components. Using this antibody with other myogenic markers such as smooth muscle actin, desmin and vimentin may be very helpful for differentiation of tumor from muscle origin. Clone HHF35 has been demonstrated to be a reliable marker for soft tissue tumors with muscle differentiation, i.e. leiomyomas, leiomyosarcomas, and rhabdomyosarcomas.

Smooth Muscle Actin

IVD

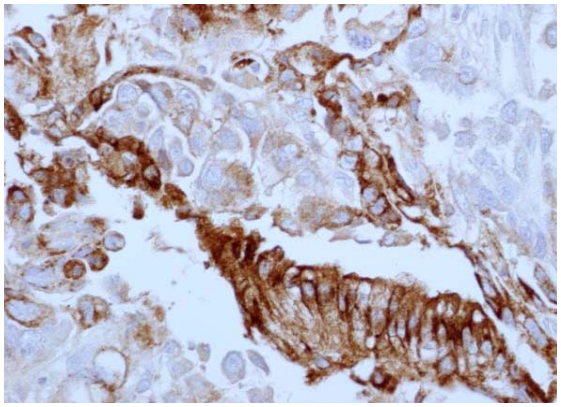


Clone:	1A4	
Host, clonality:	mouse monoclonal	
Tissue control:	appendix, liver	
Staining pattern:	cytoplasmic	
Product codes:	60-0001-7	7 mL RTU
	61-0001	1 mL concentrate

Using this antibody with other myogenic markers such as muscle actin, desmin and vimentin is helpful for differentiation of tumor from muscle origin when used in a panel of antibodies. It is a useful marker for the identification for soft tissue tumors with muscle differentiation, i.e. leiomyomas and leiomyosarcomas. It is a useful marker for distinction of benign proliferative lesions of the breast from neoplastic proliferations.

AFP

IVD

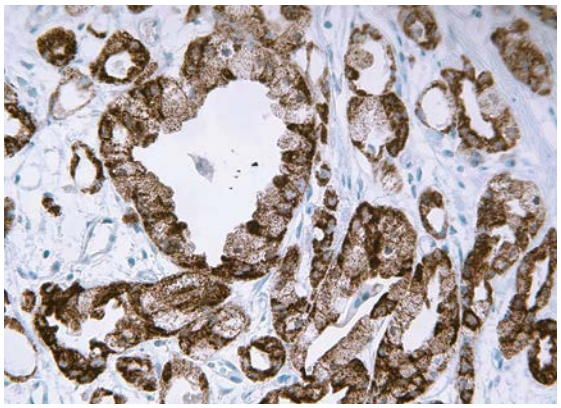


Clone:	-	
Host, clonality:	rabbit polyclonal	
Tissue control:	embryonal carcinoma / fetal liver	
Staining pattern:	cytoplasmic	
Product codes:	60-0088-7	7 mL RTU

This antibody is primarily used for identification of hepatocellular carcinomas and hepatoid tumors. Furthermore, it can identify germ cell tumors of testis and ovary such as yolk sac tumor and embryonal carcinoma and may be useful when used in a panel of antibodies.

AMACR

IVD

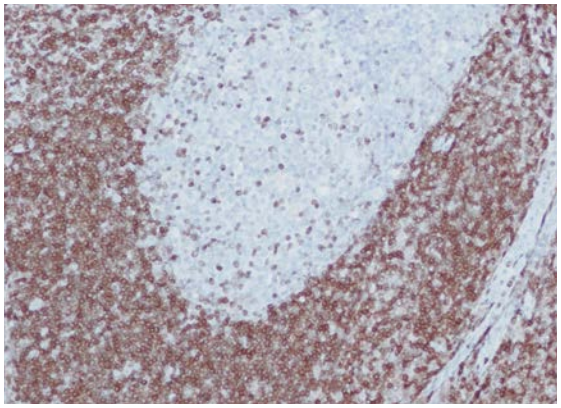


Clone: 13H4
Host, clonality: rabbit monoclonal
Tissue control: kidney, prostate, tonsil
Staining pattern: granular, cytoplasmic
Product codes: 60-0096-7 7 mL RTU
61-0096 1 mL concentrate

This antibody labels the Alpha Methylacyl Coenzyme A Racemase (AMACR) protein in the cytoplasm of epithelia in both normal and neoplastic cells. AMACR is positive in cells of premalignant high-grade prostatic intraepithelial neoplasia and prostate adenocarcinoma, but is present at low or undetectable levels in glandular epithelial cells of normal prostate and benign hyperplasia. It is a useful tool for identifying prostate cancer when used in a panel of antibodies.

Bcl-2

IVD

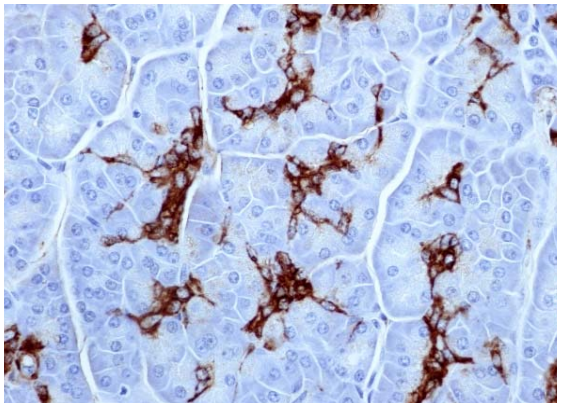


Clone: Bcl-2-100
Host, clonality: mouse monoclonal
Tissue control: appendix, tonsil
Staining pattern: cytoplasmic
Product codes: 60-0005-7 7 mL RTU
61-0005 1 mL concentrate

This antibody labels the Bcl-2 protein in the cytoplasm of B-cells in mantle zones, interfollicular T-cell areas, and a few cells in the germinal centers of lymphoid tissues and basal cells of epithelial tissues; it can stain both normal and neoplastic cells. It is a useful tool for identifying follicular lymphomas, diffuse large cell lymphomas, and differentiating follicular lymphomas from reactive lymph nodes when used in a panel of antibodies.

CA19-9

IVD

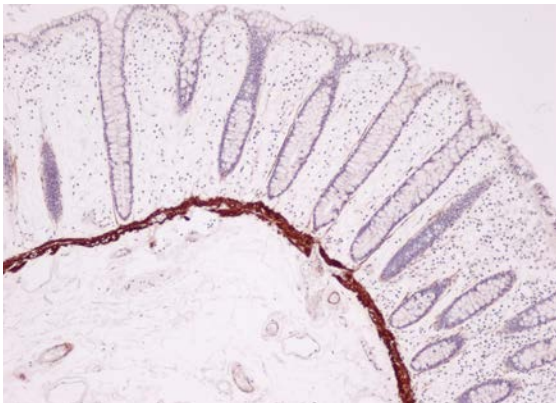


Clone: SPan-1
Host, clonality: mouse monoclonal
Tissue control: kidney, pancreas
Staining pattern: membranous, cytoplasmic
Product codes: 60-0142-7 7 mL RTU
61-0142 1 mL concentrate

In a panel of antibodies, e.g. CK19, CK7, CK20, CA19-9, this antibody can be an aid for differential diagnosis of adenocarcinomas.

Calponin

IVD

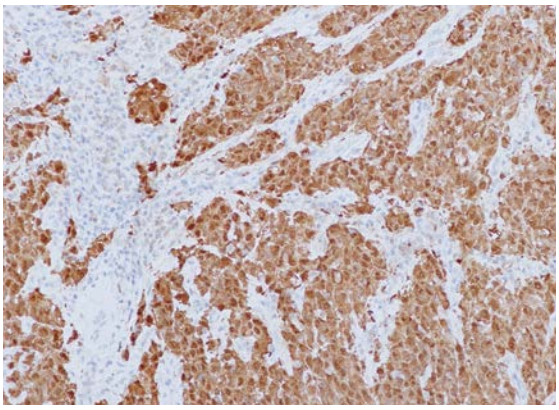


Clone: CALP
Host, clonality: mouse monoclonal
Tissue control: appendix, breast
Staining pattern: cytoplasmic
Product codes: 60-0105-7 7 mL RTU

This antibody labels the calponin protein in the cytoplasm of vascular and visceral smooth muscle cells in both normal and neoplastic tissue. It is useful for differentiating benign sclerosing lesions of the breast from carcinoma when used in a panel of antibodies.

Calretinin

IVD

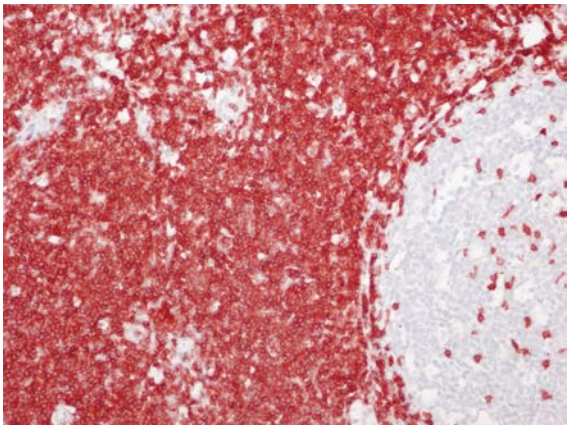


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: adrenal gland, appendix
Staining pattern: cytoplasmic, nuclear
Product codes: 60-0006-7 7 mL RTU
61-0006 1 mL concentrate

This antibody is a useful marker for the identification of malignant mesothelioma of the epithelial type and for the differentiation of the malignancies from metastases of lung adenocarcinoma. Differential diagnosis is aided by the results from a panel of antibodies.

CD3

IVD

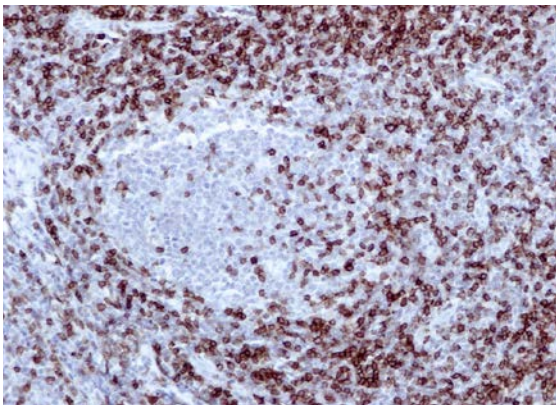


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: tonsil
Staining pattern: membranous
Product codes: 60-0011-7 7 mL RTU
61-0011 1 mL concentrate

This antibody labels the CD3 protein in the cell membrane of normal and neoplastic T-cells. CD3 is expressed in the majority of T-cell neoplasms and is often not expressed in non T-cell lymphoid malignancies. It is useful for classifying T-cell neoplasms when used in a panel of antibodies. It may also be used to highlight T-cell populations within a variety of tissues.

CD5

IVD

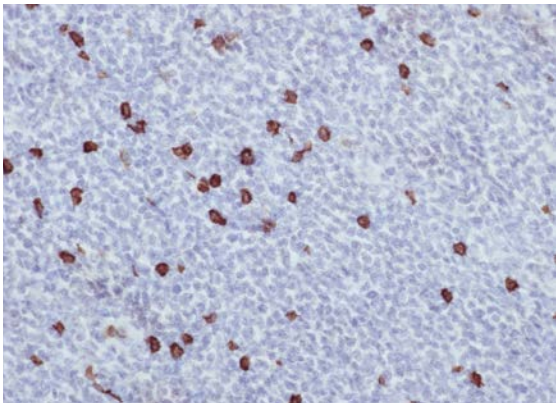


Clone: GR020
Host, clonality: rabbit monoclonal
Tissue control: tonsil
Staining pattern: membranous, some cytoplasmic
Product codes: 60-0183-7 7 mL RTU
61-0183 1 mL concentrate

This antibody labels the CD5 protein on the membrane of T-cells and subsets of B-cells found in the follicular mantle zones, bone marrow, and peripheral blood. It is useful for classifying and characterizing T-cell and B-cell neoplasms when used in a panel of antibodies.

CD8

IVD

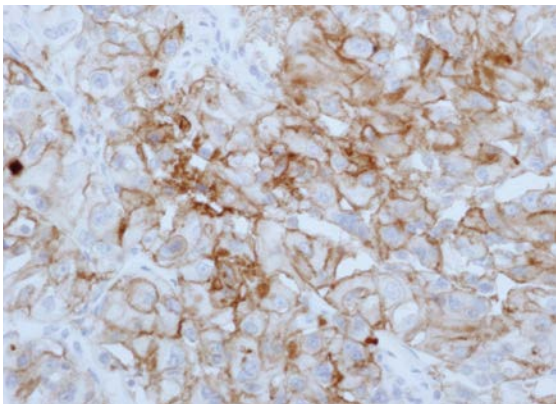


Clone: C8/144B
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: mainly membranous
Product codes: 60-0124-7 7 mL RTU

This antibody labels the CD8 protein on the membrane of T-cells in both normal and neoplastic tissue. It is a useful tool for classifying T-cell neoplasms and differentiating between cytotoxic and helper T-cells when used in a panel of antibodies.

CD10

IVD

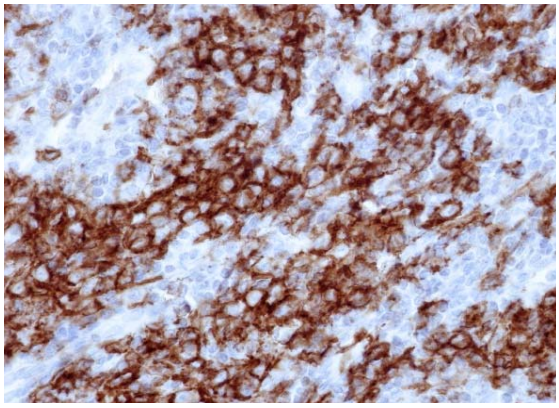


Clone: GM003
Host, clonality: mouse monoclonal
Tissue control: kidney, tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0008-7 7 mL RTU
61-0008 1 mL concentrate

This antibody labels the CD10 protein on the membrane and cytoplasm of early lymphoid progenitors, small subset of immature B-cells, proliferating B-cells, mature neutrophils and on various non-lymphoid cells in both normal and neoplastic cells. It is a useful tool for classifying Burkitt's lymphoma, some follicular lymphoma, and renal cell carcinoma when used in a panel of antibodies.

CD19

IVD

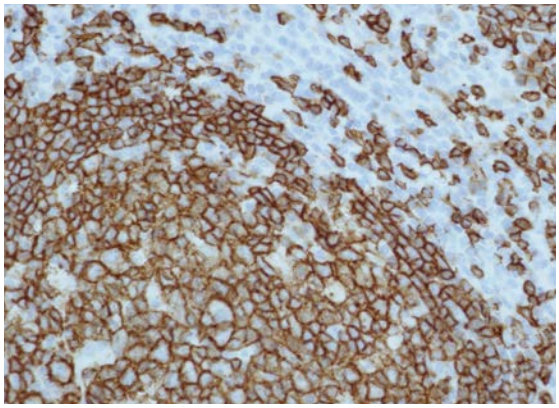


Clone: GR014
Host, clonality: rabbit monoclonal
Tissue control: appendix, tonsil
Staining pattern: membranous
Product codes: 60-0164-7 7 mL RTU
61-0164 1 mL concentrate

This antibody is useful in identification of B-cell lineage of majority of B-cell neoplasms but appears to be less useful in sub-classifying of B-cell neoplasms in histological material. It is a useful biomarker for identification of follicular dendritic cell tumors when used in a panel of antibodies.

CD20

IVD

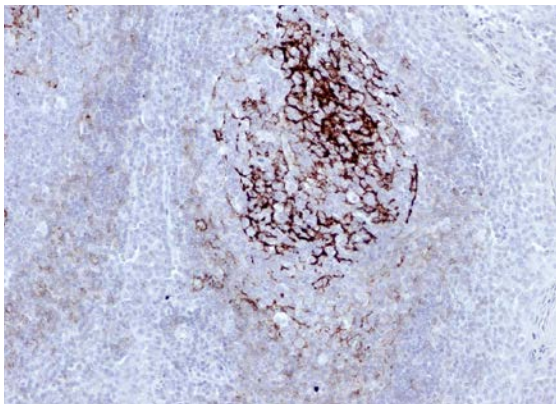


Clone: L26
Host, clonality: mouse monoclonal
Tissue control: appendix, tonsil
Staining pattern: membranous
Product codes: 60-0010-7 7 mL RTU
61-0010 1 mL concentrate

This antibody labels the CD20 protein on the membrane of B-cell precursors and B-cells in both normal and neoplastic tissue. It is a useful tool for classifying tumor cells of B-lymphocytic lineage when used in a panel of antibodies.

CD23

IVD

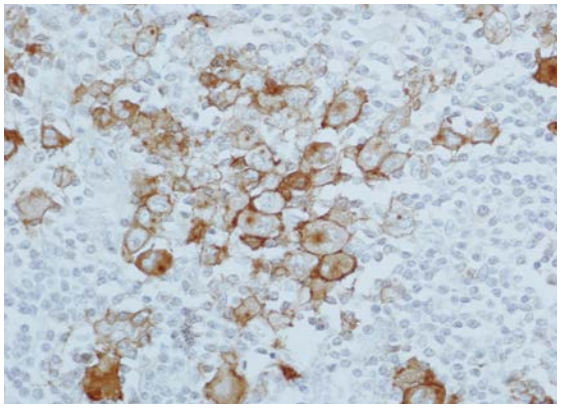


Clone: GR013
Host, clonality: rabbit monoclonal
Tissue control: tonsil
Staining pattern: membranous, some cytoplasmic
Product codes: 60-0162-7 7 mL RTU
61-0162 1 mL concentrate

Positive staining of neoplastic cells is observed in some B-cell lymphomas, whereas mantle cell lymphomas are generally negative for this antibody. This antibody is a useful tool for identifying/classifying a range of leukemias and lymphomas when used in a panel of antibodies.

CD30

IVD

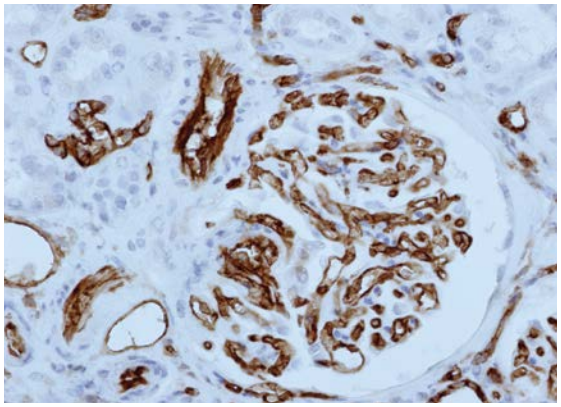


Clone: Ber-H2
Host, clonality: mouse monoclonal
Tissue control: Hodgkin's lymphoma, tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0007-7 7 mL RTU
61-0007 1 mL concentrate

This antibody labels CD30 protein on the membrane and cytoplasm of scattered large activated B- and T-lymphocytes of tonsil, lymph nodes, the spleen and thymus in both normal and neoplastic tissue. The antibody labels the CD30 protein in normal and neoplastic cells, such as Hodgkin and Reed-Sternberg cells and anaplastic large-cell lymphoma cells (ALCL). CD30 positive staining may aid in identifying of classical Hodgkin's lymphoma and ALCL when used in a panel of antibodies.

CD31

IVD

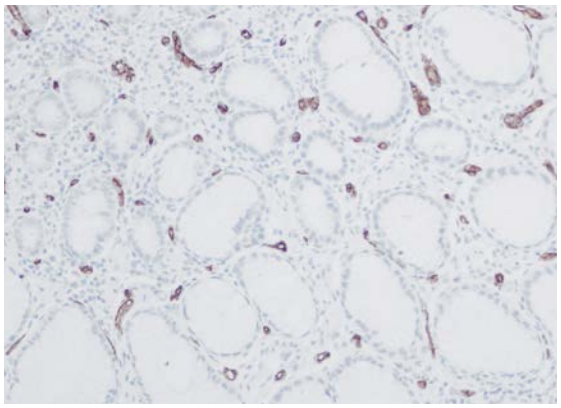


Clone: GM006
Host, clonality: mouse monoclonal
Tissue control: liver, tonsil
Staining pattern: mainly membranous, some cytoplasmic
Product codes: 60-00072-7 7 mL RTU
61-0072 1 mL concentrate

This antibody labels the CD31 protein on the membrane, and sometimes cytoplasm, of endothelial cells in both normal and neoplastic cells. It is a useful tool for identifying vascular disorder, e.g. angiosarcoma, and evaluating vascularization of tumors when used in a panel of antibodies.

CD34

IVD

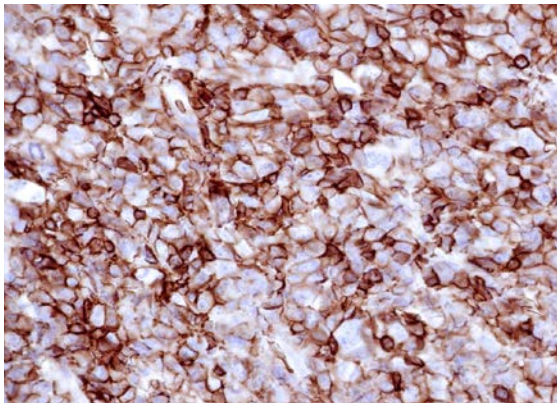


Clone: QBend10
Host, clonality: mouse monoclonal
Tissue control: appendix, liver
Staining pattern: membranous
Product codes: 60-0012-7 7 mL RTU
61-0012 1 mL concentrate

This antibody labels the CD34 protein on the membrane of hematopoietic progenitor cells, capillary endothelial cells, rare glial cells in nervous tissues, and embryonic fibroblasts in both normal and neoplastic tissue. It is a useful tool for classifying vascular and lymphatic tumors, and for sub-classifying leukemia when used in a panel of antibodies.

CD45

IVD

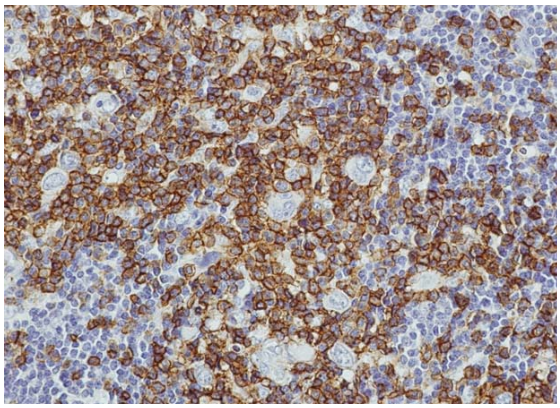


Clone: GR009
Host, clonality: rabbit monoclonal
Tissue control: brain, liver, tonsil
Staining pattern: membranous
Product codes: 60-0138-7 7 mL RTU
61-0138 1 mL concentrate

This antibody labels the CD45 protein on the membrane of the leucocytes including lymphocytes, macrophages, and granulocytes in both normal and neoplastic tissue. CD45 is detected in a large majority of hematopoietic-lymphoid neoplasms, i.e. leukemia and malignant lymphomas. Certain types of lymphoid neoplasms may lack CD45 expression (i.e. Hodgkin's disease, some T-cell lymphomas, and some leukemia). It may be useful when used in a panel of antibodies.

CD45RO

IVD

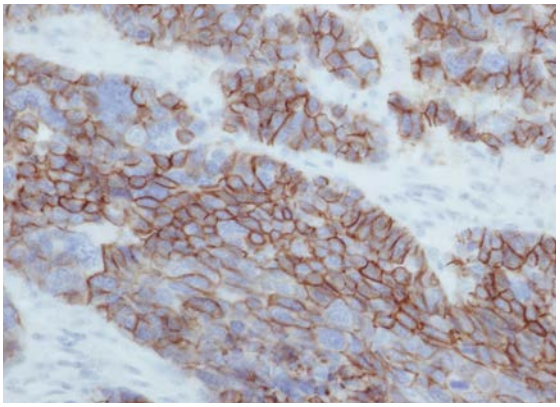


Clone: UCHL-1
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: membranous
Product codes: 60-0013-7 7 mL RTU
61-0013 1 mL concentrate

This antibody is a useful tool for identifying T-cell lymphomas, and for the differentiation of low grade B-cell from T-cell lymphomas when used in a panel of antibodies.

CD56

IVD

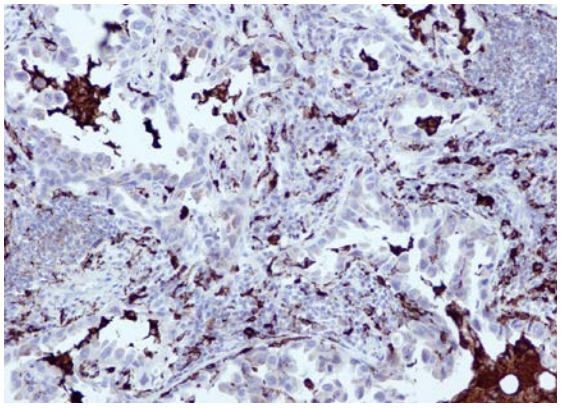


Clone: 123C3
Host, clonality: mouse monoclonal
Tissue control: appendix, tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0062-7 7 mL RTU
61-0062 1 mL concentrate

This antibody may be used in the differential diagnosis of NK-cell lymphoma (CD56+/-) vs. other lymphomas (CD56-(+)), multiple myeloma (CD56+) vs. lympho-plasmacytic lymphoma, reactive plasmacytosis and monoclonal gammopathy of undetermined significance (MGUS) (CD56-(+)), in myeloid leukemic cells (CD56+) vs. normal myeloid cells (CD56-), non-papillary thyroid tumors (CD56+) vs. papillary thyroid carcinoma (CD56-) and schwannoma (CD56+) vs. neurofibroma (CD56-) when used in a panel of antibodies.

CD68

IVD

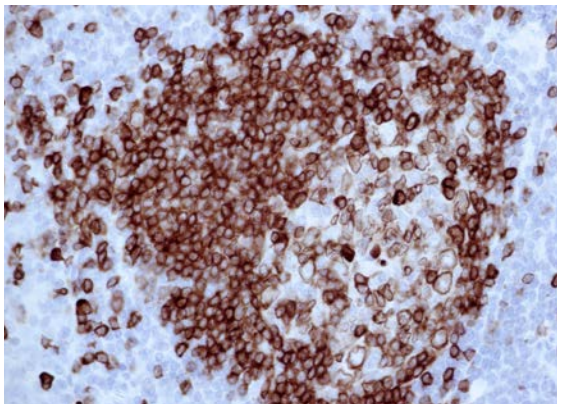


Clone: GR021
Host, clonality: rabbit monoclonal
Tissue control: brain, tonsil
Staining pattern: cytoplasmic
Product codes: 60-0184-7 7 mL RTU
61-0184 1 mL concentrate

This antibody labels the CD68 protein on the cytoplasm of different types of macrophages of monocyte lineage, myeloid precursor cells in the bone marrow, some non-hematopoietic tissues such as Kupffer cells in liver and cells in the renal glomeruli and tubules. It is a useful tool for classifying neoplasms of myeloid and macrophage/monocyte origin when used in a panel of antibodies.

CD79a

IVD

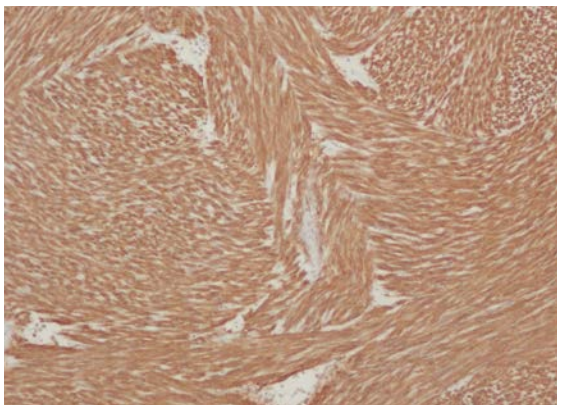


Clone: GR019
Host, clonality: rabbit monoclonal
Tissue control: colon, tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0182-7 7 mL RTU
61-0182 1 mL concentrate

This antibody labels the CD79a protein on the membrane and cytoplasm of select B-cells and T-lymphoblasts in normal and neoplastic tissue. It is a useful tool for classifying B-cell neoplasms and Hodgkin's lymphoma when used in a panel of antibodies.

c-kit (CD117)

IVD

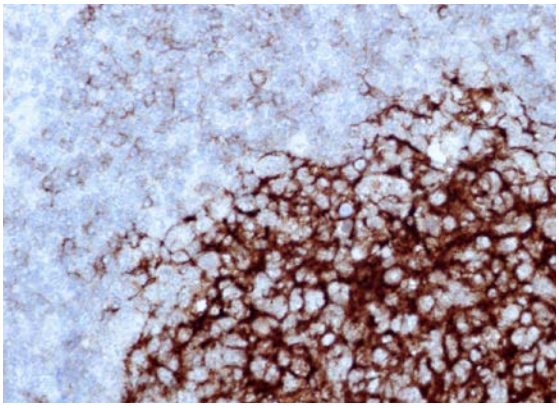


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: appendix
Staining pattern: membranous, cytoplasmic
Product codes: 60-0020-7 7 mL RTU
61-0020 1 mL concentrate

In the gastrointestinal organs such as the appendix and colon, strong membranous and cytoplasmic staining of Cajal cells is observed in the muscularis propria. Membranous and cytoplasmic staining with this antibody is also observed in the neoplastic cells of gastrointestinal stromal tumors (GIST). It is a useful tool for differentiating between gastrointestinal stromal tumors and other intra-abdominal mesanchymal tumors when used in a panel of antibodies.

CDX2

IVD

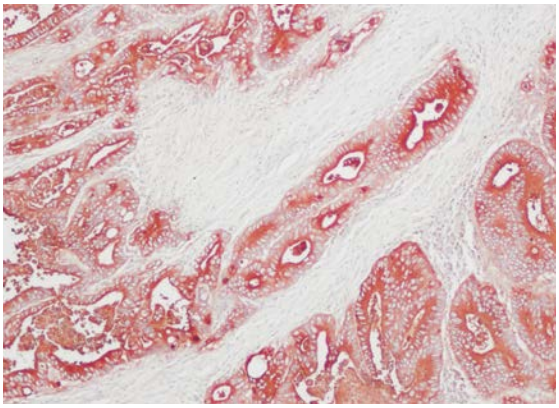


Clone: GR023
Host, clonality: rabbit monoclonal
Tissue control: pancreas, tonsil
Staining pattern: nuclear
Product codes: 60-0186-7 7 mL RTU
61-0186 1 mL concentrate

This antibody labels the CDX2 protein in epithelial cells from the duodenum to the rectum, including the pancreas and biliary tract. It stains both normal and neoplastic cells. It is a useful tool for identifying and classifying adenocarcinomas and neuroendocrine tumors of the gastrointestinal tract when used in a panel of other antibodies.

CEA

IVD

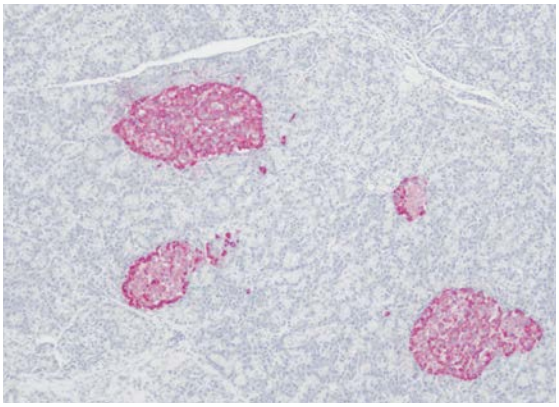


Clone: COL-1
Host, clonality: mouse monoclonal
Tissue control: appendix, liver
Staining pattern: membranous, cytoplasmic
Product codes: 60-0014-7 7 mL RTU
61-0014 1 mL concentrate

This antibody labels the Carcinoembryonic Antigen (CEA) protein on the membrane and in the cytoplasm of both, normal and neoplastic cells, in the colon and a variety of other tissues. It is a useful tool for classifying adenocarcinomas, especially in the gastrointestinal tract, including colon and pancreatic adenocarcinomas. It is also a useful tool for classifying secretory meningioma and medullary carcinomas of the thyroid when used in a panel of antibodies.

Chromogranin A

IVD

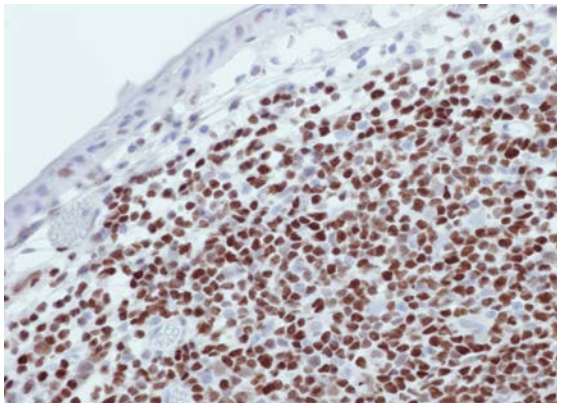


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: appendix, pancreas
Staining pattern: cytoplasmic
Product codes: 60-0015-7 7 mL RTU
61-0015 1 mL concentrate

This antibody labels the Chromogranin A protein in the cytoplasm of neuroendocrine cells in both normal and neoplastic tissue. Moderate to strong granular cytoplasmic staining of neuroendocrine cells within the epithelial surface is observed in gastrointestinal organs; granular cytoplasmic staining is also seen in axons and perikarya of neurons and ganglion cells in the submucosa, whereas epithelial cells and muscle cells are negative. This antibody may be useful in the identification of neuroendocrine tumors when used in a panel of antibodies.

Cyclin D1

IVD

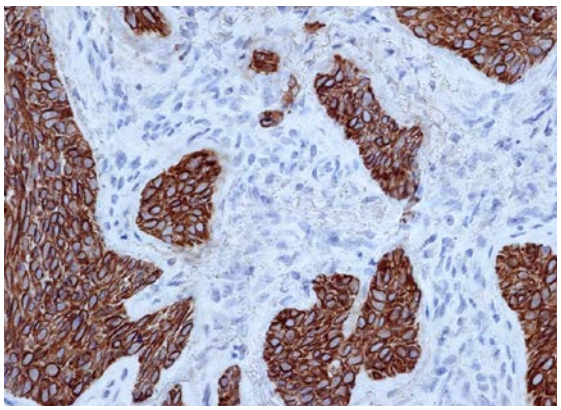


Clone: GR005
Host, clonality: rabbit monoclonal
Tissue control: tonsil
Staining pattern: nuclear
Product codes: 60-0090-7 7 mL RTU
61-0090 1 mL concentrate

This antibody labels the Cyclin D1 protein in both normal and neoplastic cells. It is a useful tool for classifying mantle cell lymphomas and breast carcinoma when used in a panel of antibodies.

Cytokeratin 5

IVD

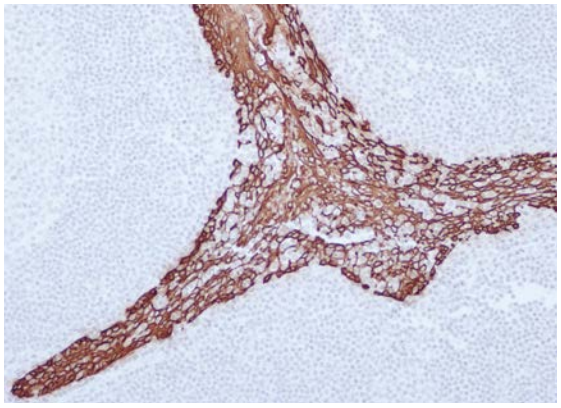


Clone: GM028
Host, clonality: mouse monoclonal
Tissue control: esophagus
Staining pattern: cytoplasmic
Product codes: 60-0174-7 7 mL RTU
61-0174 1 mL concentrate

This antibody labels the high molecular weight (HMW) cytokeratin (CK5) protein in both normal and neoplastic cells. Cytoplasmic staining is observed in stratified squamous epithelia, and in basal cells of complex epithelia. Simple epithelia and nonepithelial cells are negative. It is a useful tool for classifying squamous cell carcinoma, distinguishing malignant mesothelioma from lung adenocarcinoma, and determining breast and prostate malignancies when used in a panel of antibodies.

Cytokeratin 5/6

IVD

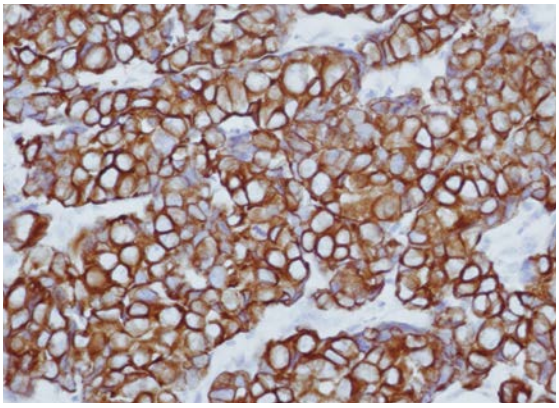


Clone: D5/16B4
Host, clonality: mouse monoclonal
Tissue control: esophagus, liver
Staining pattern: cytoplasmic
Product codes: 60-0016-7 7 mL RTU
61-0016 1 mL concentrate

This antibody is useful for classifying squamous cell carcinoma, distinguishing malignant mesothelioma from lung adenocarcinoma, and determining breast and prostate malignancies when used in a panel of antibodies.

Cytokeratin 7

IVD

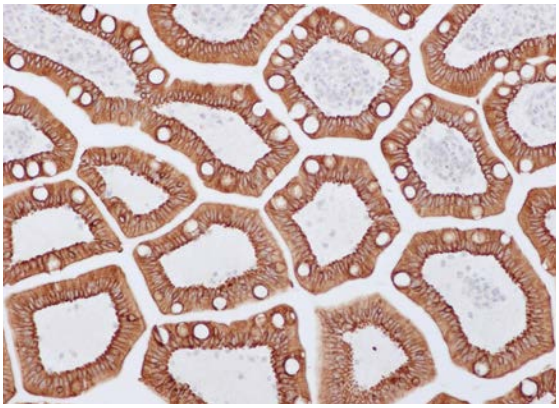


Clone: OV-TL 12/30
Host, clonality: mouse monoclonal
Tissue control: lung, pancreas
Staining pattern: cytoplasmic
Product codes: 60-0019-7 7 mL RTU
61-0019 1 mL concentrate

This antibody labels the cytokeratin 7 (CK7) protein in the cytoplasm of most ductal, glandular, and transitional in both normal and neoplastic cells. It is a useful tool for classifying adenocarcinomas of lung, breast, endometrium, thyroid gland, ovary, and chromophobe renal cell carcinomas when CK7 is positive and when it is used in a panel of antibodies. It is a useful tool for classifying colonic and prostate lineage tumors when CK7 is negative and when it is in with a panel of antibodies.

Cytokeratin 18

IVD

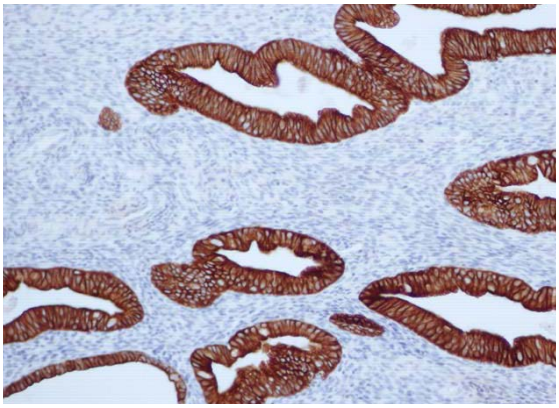


Clone: DC-10
Host, clonality: mouse monoclonal
Tissue control: colon, liver
Staining pattern: membranous, cytoplasmic
Product codes: 60-0017-7 7 mL RTU
61-0017 1 mL concentrate

This antibody labels the cytokeratin 18 (CK18) protein. It reacts with a wide variety of neoplastic tissues such as gastrointestinal tract, lung, and breast tumors. It does not react with tumor cells of nonepithelial origin such as glioma, melanoma and osteosarcoma. It also does not react with stratified squamous epithelium on most squamous cell carcinomas. This antibody may be useful when used in a panel of antibodies.

Cytokeratin 19

IVD

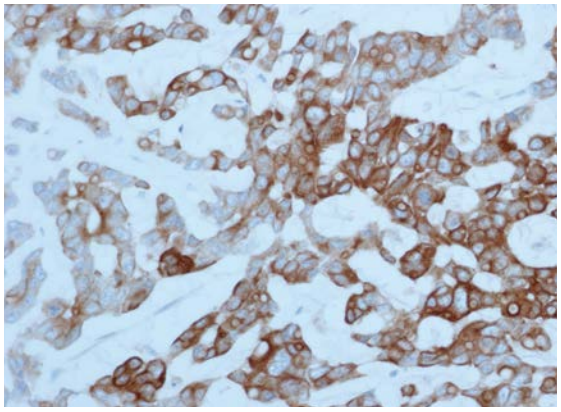


Clone: A53-B/A2.26
Host, clonality: mouse monoclonal
Tissue control: esophagus
Staining pattern: cytoplasmic
Product codes: 60-0163-7 7 mL RTU

This antibody labels the Cytokeratin 19 (CK19) protein in the cytoplasm of a variety of epithelium (colon, stomach, pancreas, biliary tract, liver and breast) in both normal and neoplastic tissue. It is a useful tool for determining thyroid carcinoma of papillary type although it is positive in 50-60% of follicular carcinoma when used in a panel of antibodies.

Cytokeratin 20

IVD



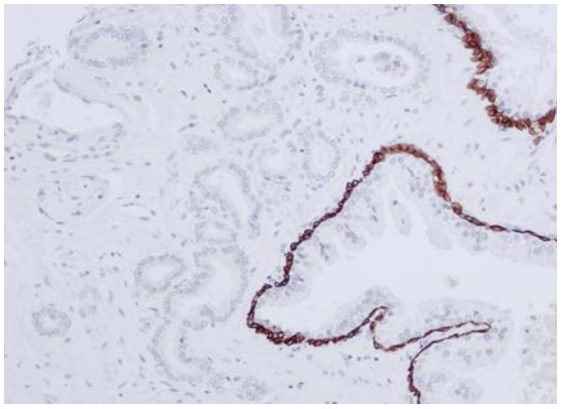
Clone: Ks20.8
Host, clonality: mouse monoclonal
Tissue control: appendix, liver
Staining pattern: cytoplasmic

Product codes:		
	60-0018-7	7 mL RTU
	61-0018	1 mL concentrate

This antibody labels the cytokeratin 20 (CK20) protein in the cytoplasm of mature enterocytes and goblet cells of the gastric and intestinal mucosa in both normal and neoplastic tissue. Most colon adenocarcinomas, mucinous ovarian tumors, transitional cell and Merkel-cell carcinomas, gastric adenocarcinomas, bile system, and pancreas are CK20 positive. Most squamous cell carcinomas and adenocarcinomas from breast, endometrium, lung, and prostate may be CK20 negative, as well as non-mucinous tumors of the ovary and small-cell lung carcinomas. May be a useful tool when used in a panel of other antibodies.

Cytokeratin HMW

IVD



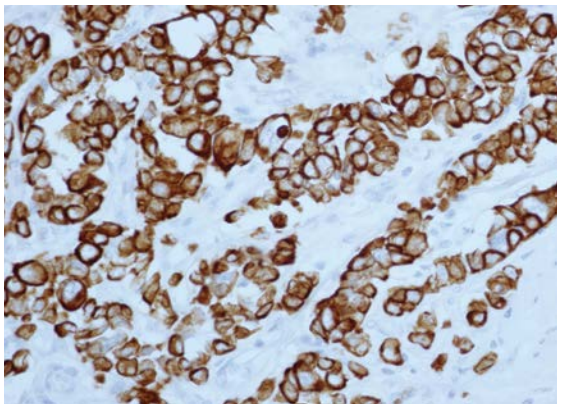
Clone: 34bE12
Host, clonality: mouse monoclonal
Tissue control: esophagus, liver, prostate
Staining pattern: cytoplasmic

Product codes:		
	60-0025-7	7 mL RTU
	61-0025	1 mL concentrate

This antibody is useful for differentiating benign prostate gland from prostate adenocarcinoma when used in a panel of antibodies. Monoclonal antibody clone 34bE12 can be used for the demonstration of high molecular weight cytokeratinin the basal cells of prostate specimens, but due to cross-reaction to low molecular weight cytokeratin in e.g. breast epithelial cells/breast carcinoma it cannot be recommended as a general marker for high molecular weight cytokeratin. This is a useful tool when used in a panel of antibodies.

Cytokeratin

IVD



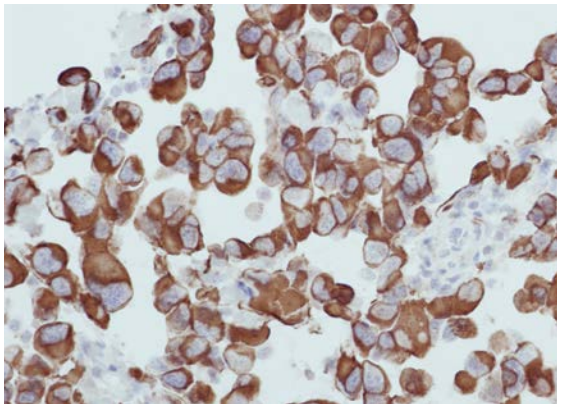
Clone: AE1/AE3
Host, clonality: mouse monoclonal antibody cocktail
Tissue control: esophagus, liver
Staining pattern: cytoplasmic

Product codes:		
	60-0022-07	7 mL RTU
	61-0022	1 mL concentrate

This antibody cocktail labels cytokeratin proteins in the cytoplasm of normal and neoplastic cells. It is a useful tool for classifying tumors of epithelial origin and undifferentiated carcinomas when used in a panel of antibodies.

Desmin

IVD

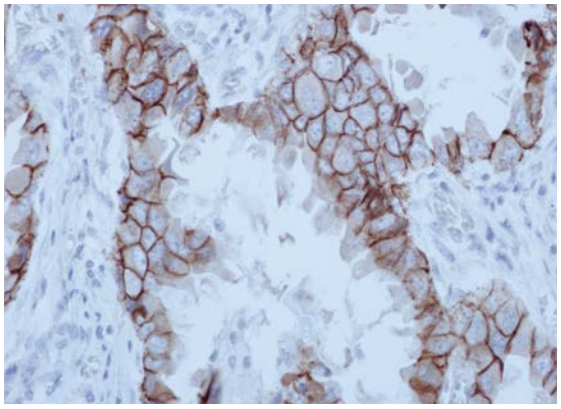


Clone:	GM007	
Host, clonality:	mouse monoclonal	
Tissue control:	appendix	
Staining pattern:	cytoplasmic	
Product codes:	60-0077-7	1 mL RTU
	61-0077	1 mL concentrate

This antibody labels the desmin protein in both normal and neoplastic cells. It is a useful tool for subtyping undifferentiated and pleomorphic tumors when used in a panel of antibodies.

E-Cadherin

IVD

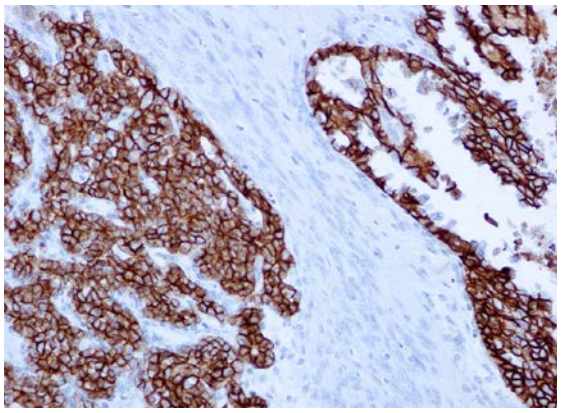


Clone:	GM016	
Host, clonality:	mouse monoclonal	
Tissue control:	colon, liver	
Staining pattern:	membranous	
Product codes:	60-0028-7	7 mL RTU
	61-0028	1 mL concentrate

This antibody is useful in distinguishing adenocarcinoma from mesothelioma and in the differentiation of ductal form lobular breast cancer when used in a panel of antibodies.

Epithelial Cell Adhesion Molecule

IVD

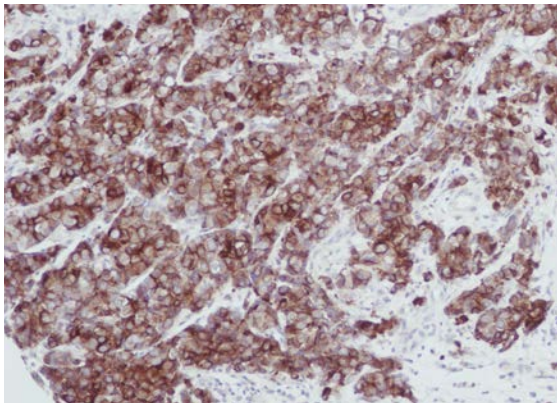


Clone:	VU-1D9	
Host, clonality:	mouse monoclonal	
Tissue control:	appendix, kidney, tonsil	
Staining pattern:	membranous, cytoplasmic	
Product codes:	60-0190-7	7 mL RTU
	61-0190	1 mL concentrate

This antibody labels the Epithelial Cell Adhesion Molecule (EpCAM) protein on the membrane and cytoplasm of epithelial cells in both normal and neoplastic cells. It is a useful tool for differentiating adenocarcinoma from malignant mesothelioma when used in a panel of antibodies.

EMA

IVD

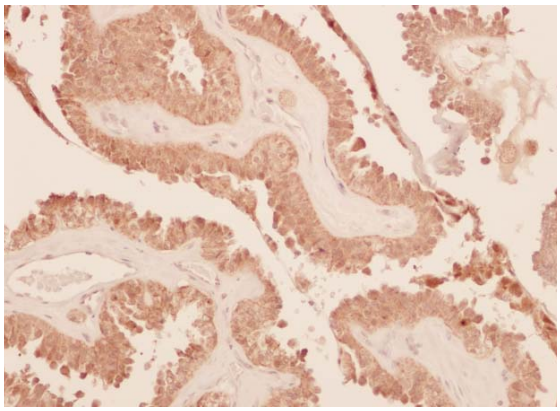


Clone: GM008
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0030-7 7 mL RTU
61-0030 1 mL concentrate

This antibody labels the Epithelial Membrane Antigen (EMA) protein on the membrane and cytoplasm of the apical surface of secretory glandular epithelial cells in both normal and neoplastic tissue. It is a useful tool for identifying adenocarcinomas derived from secretory epithelia such as metastases of breast carcinoma. It is also a useful tool for identifying malignant mesothelioma, renal cell carcinomas, and meningiomas when used in a panel of antibodies.

Galectin-3

IVD

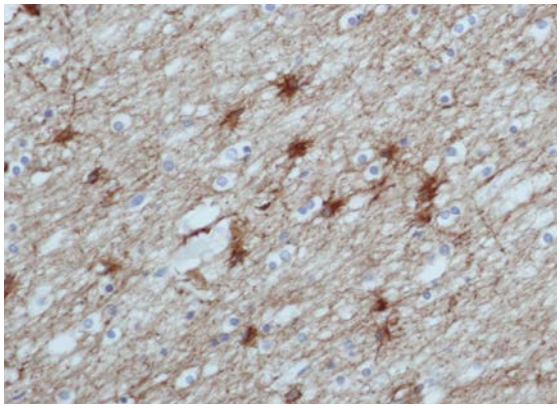


Clone: 9C4
Host, clonality: mouse monoclonal
Tissue control: papillary or follicular carcinoma of thyroid
Staining pattern: cytoplasmic
Product codes: 60-0133-7 7 mL RTU

This antibody is a useful tool in differentiating between benign and malignant thyroid neoplasms. It is also a useful tool in identifying anaplastic large cell lymphoma when used in a panel of antibodies.

GFAP

IVD

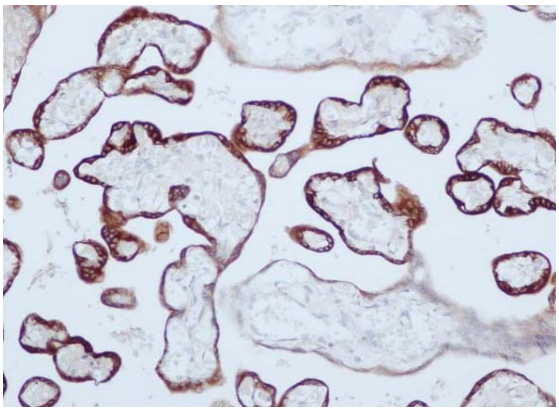


Clone: -
Host, clonality rabbit polyclonal
Tissue control: brain
Staining pattern: cytoplasmic
Product codes: 60-0032-7 7 mL RTU
61-0032 1 mL concentrate

The antibody labels Glial Fibrillary Acidic Protein (GFAP) and is a useful tool for the identification of astrocytes in the CNS under normal and pathological conditions. In stomach, G-cells show a moderate to strong cytoplasmic staining, whereas epithelial cells are negative. Cytoplasmic staining is observed in neoplastic cells of gastrin-secreting neuroendocrine tumors. This antibody may be useful in the identification of gastric neuroendocrine tumors when used in a panel of antibodies.

Human Chorionic Gonadotropin (hCG)

IVD

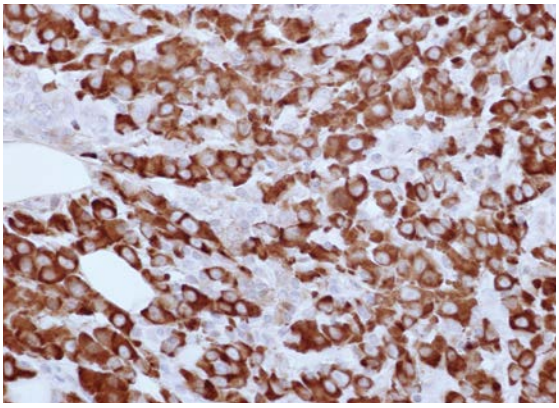


Clone:
Host, clonality: rabbit polyclonal
Tissue control: germ cell tumor, chorionic carcinoma
Staining pattern: cytoplasmic
Product codes: 60-0125-7 7 mL RTU
61-0125 1 mL concentrate

The antibody labels hCG containing cells and may be used for the demonstration of trophoblastic elements, e.g. in germ cell tumors. The antibody cross-reacts with human luteinizing hormone (LH). This cross-reaction will not cause misinterpretation for IHC use. This antibody may be a useful tool when used in a panel of other antibodies.

Kappa Light Chain

IVD

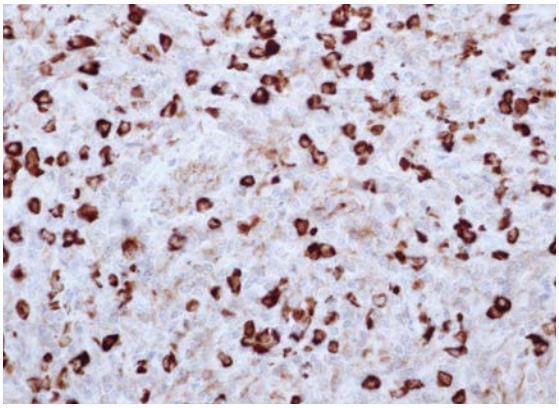


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0085-7 7 mL RTU
61-0085 1 mL concentrate

This antibody is useful for classifying B-cell lymphomas and myelomas when used in a panel of antibodies.

Lambda Light Chain

IVD

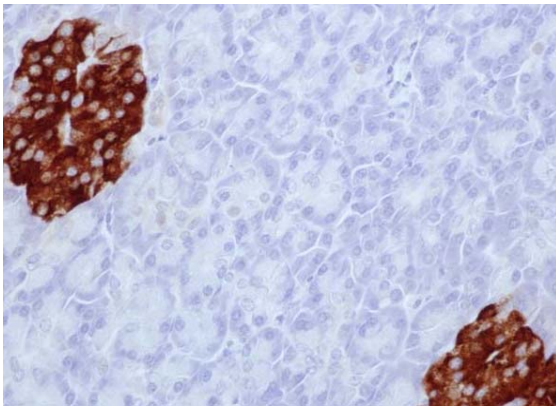


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: tonsil
Staining pattern: membranous, cytoplasmic
Product codes: 60-0086-7 7 mL RTU
61-0086 1 mL concentrate

This antibody is useful for classifying B-cell lymphomas and myelomas when used in a panel of antibodies.

Insulin

IVD

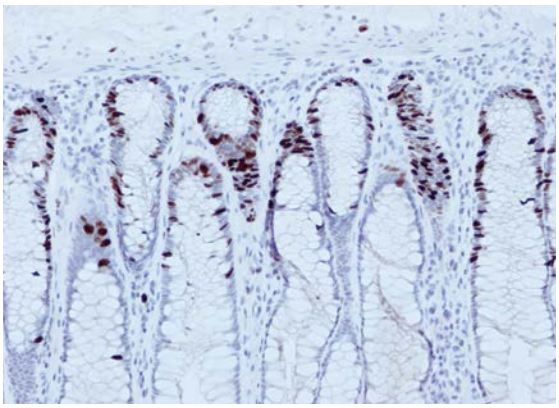


Clone: 2D11-H5
Host, clonality: mouse monoclonal
Tissue control: pancreas
Staining pattern: cytoplasmic
Product codes: 60-0039-7 7 mL RTU
61-0039 1 mL concentrate

This antibody may be useful for identification of beta cells in normal pancreas and in tumors of beta cell origin, such as insulinoma, and distinguish that from other endocrine tumors of the pancreas. This antibody may be a useful tool when used in a panel of antibodies.

Ki67

IVD

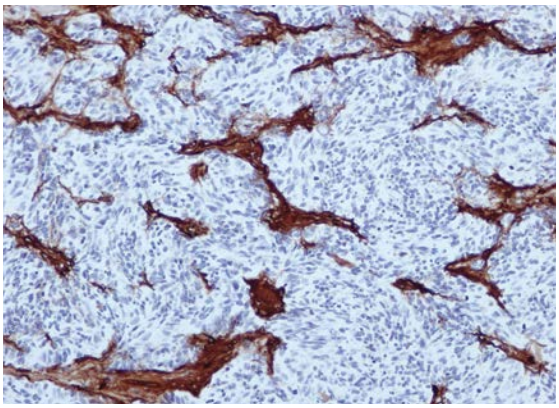


Clone: GM010
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: nuclear
Product codes: 60-0078-7 7 mL RTU
61-0078 1 mL concentrate

This antibody labels the Ki67 protein in the nucleus of both normal and neoplastic cells. It is a useful tool for assessing proliferative activity of various tumors when used in a panel of antibodies.

Laminin

IVD

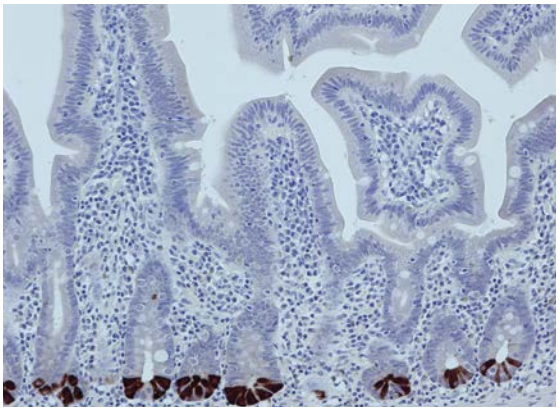


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: tonsil
Staining pattern: membranous
Product codes: 60-0113-7 7 mL RTU

This antibody labels laminin, which is present in the basement membrane. The antibody may be useful in the characterization of basement membrane preservation, e.g. in breast cancer and adenocarcinomas of the lung when used in a panel of antibodies. Laminins have been found to promote cell adhesion, migration, protease activity, proliferation, tumor growth, angiogenesis and metastasis.

Lysozyme (Muramidase)

IVD

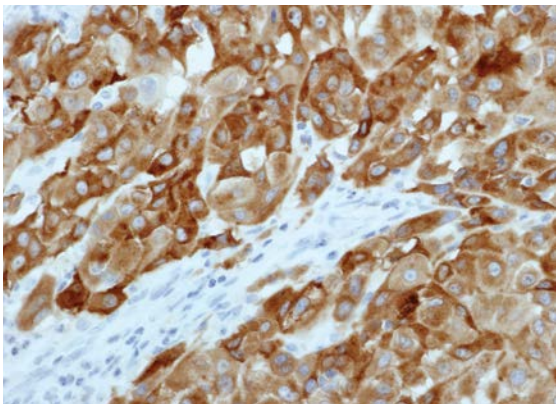


Clone:	-	
Host, clonality:	rabbit polyclonal	
Tissue control:	tonsil	
Staining pattern:	cytoplasmic	
Product codes:	60-0118-7	7 mL RTU
	61-0118	1 mL concentrate

This antibody is an important marker that may demonstrate the myeloid or monocytic nature of acute leukemia. It may aid in the identification of histiocytic neoplasias and classifying lymphoproliferative disorders when used in a panel of antibodies.

Melan-A

IVD

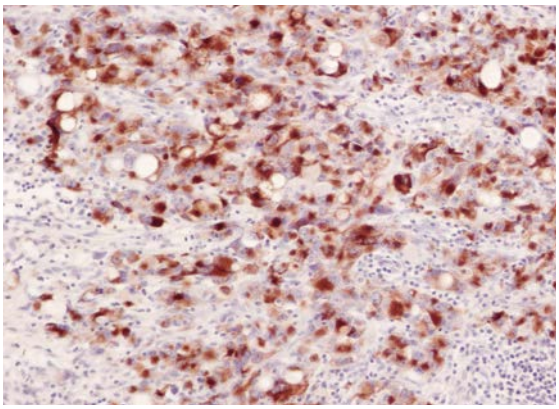


Clone:	A103	
Host, clonality:	mouse monoclonal	
Tissue control:	normal skin, kidney	
Staining pattern:	cytoplasmic	
Product codes:	60-0092-7	7 mL RTU
	61-0092	1 mL concentrate

This antibody labels the melan A protein in the cytoplasm of skin, melanocytes and steroid producing cells in both normal and neoplastic tissue. It is a useful tool for identifying melanomas when used in a panel of antibodies.

Melanosome

IVD

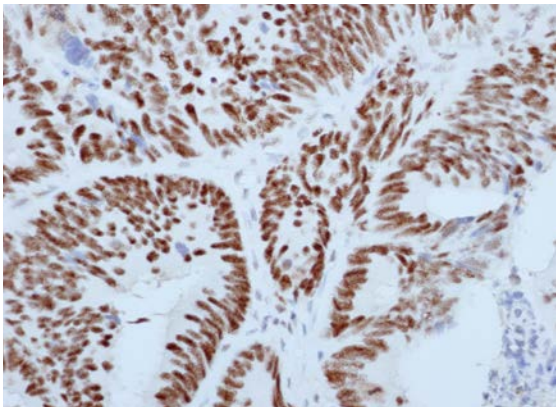


Clone:	HMB45	
Host, clonality:	mouse monoclonal	
Tissue control:	melanoma	
Staining pattern:	cytoplasmic	
Product codes:	60-0042-7	7 mL RTU
	61-0042	1 mL concentrate

This antibody labels the melanosome protein in the cytoplasm of melanocytes in both normal and neoplastic cells. It is a useful tool for classifying melanomas and melanocytic lesions and differentiating metastatic melanomas from other poorly differentiated tumors when used in a panel of antibodies.

MLH1

IVD

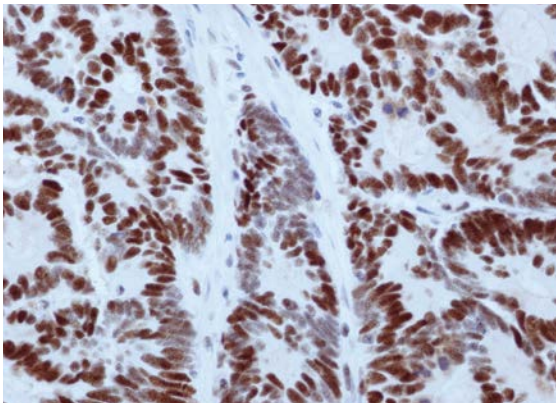


Clone:	GM011	
Host, clonality:	mouse monoclonal	
Tissue control:	colon, tonsil	
Staining pattern:	nuclear	
Product codes:	60-0079-7	7 mL RTU
	61-0079	1 mL concentrate

This antibody labels the MutL homolog 1 (MLH1) protein in the nucleus of normal proliferating cells in both normal and neoplastic tissues and does not stain colon adenocarcinoma with complete loss of MLH1 expression. MLH1 is a useful tool for classifying tumors of the gastrointestinal tract, including associated extra colonic cancers such as endometrial and prostate cancers, when used in a panel of antibodies.

MSH6

IVD

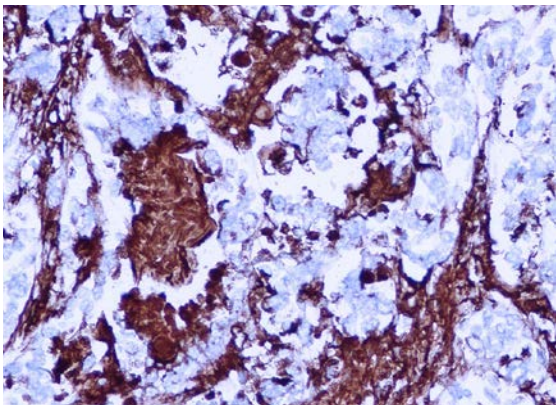


Clone:	GM024	
Host, clonality:	mouse monoclonal	
Tissue control:	colon, tonsil	
Staining pattern:	nuclear	
Product codes:	60-0158-7	7 mL RTU
	61-0158	1 mL concentrate

This antibody labels the MutS homolog 6 (MSH6) protein in the nucleus of proliferating cells in both normal and neoplastic cells and does not label colon adenocarcinoma with complete loss of MSH6 expression. MSH6 is a useful tool for classifying tumors of the gastrointestinal tract, including associated extra colonic cancers such as endometrial and prostate cancers, when used in a panel of antibodies.

MUC5AC

IVD

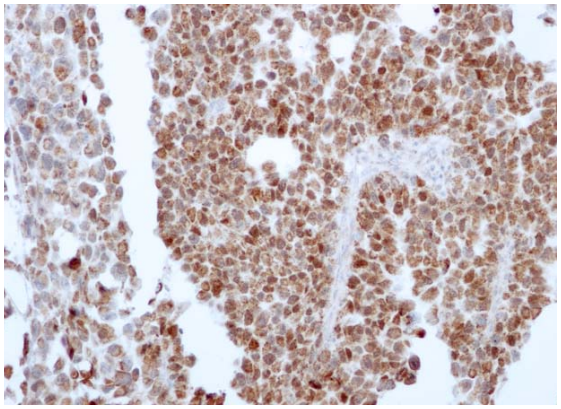


Clone:	Nd-2	
Host, clonality:	mouse monoclonal	
Tissue control:	stomach	
Staining pattern:	cytoplasm and perinuclear	
Product codes:	60-0160-7	7 mL RTU
	61-0160	1 mL concentrate

This marker is not expressed in normal pancreas but is expressed by most pancreatic ductal adenocarcinomas. MUC5AC is expressed also by endocervical adenocarcinomas and a variable number of tumors of the gastrointestinal tract. Together in a panel of antibodies, MUC5AC may be useful for identification of pancreatic carcinoma and pre-cancerous changes and differentiation of intestinal metaplasia.

MyoD1

IVD

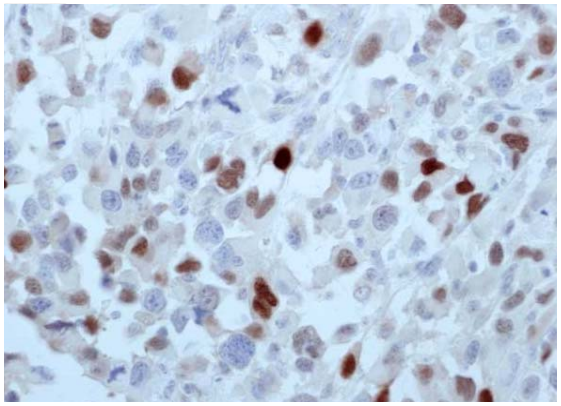


Clone: 5.8A
Host, clonality: mouse monoclonal
Tissue control: rhabdomyosarcoma
Staining pattern: nuclear
Product codes: 60-0101-7 7 mL RTU

The antibody labels the nuclei of myoblasts in developing skeletal muscle tissue, and the majority of rhabdomyosarcomas of various histological subtypes. This antibody may be useful when used in a panel of antibodies.

Myogenin

IVD

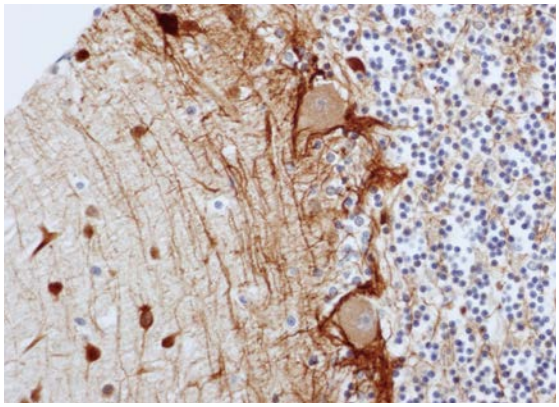


Clone: F5D
Host, clonality: mouse monoclonal
Tissue control: rhabdomyosarcoma
Staining pattern: nuclear
Product codes: 60-0149-7 7 mL RTU
61-0149 1 mL concentrate

This antibody labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may present in Wilm's tumor. This antibody may be useful when used in a panel of antibodies.

Neurofilaments

IVD

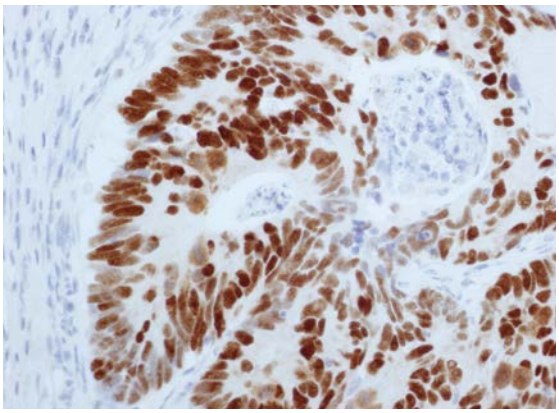


Clone: 2F11
Host, clonality: mouse monoclonal
Tissue control: appendix, brain
Staining pattern: cytoplasmic
Product codes: 60-0048-7 7 mL RTU
61-0048 1 mL concentrate

This antibody is a useful tool for the identification of tumors with neuronal differentiation and Hirschsprung's disease when used in a panel of antibodies.

p53

IVD

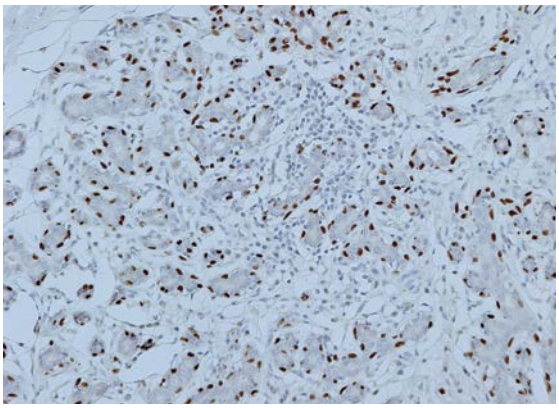


Clone:	BP53.12	
Host, clonality:	mouse monoclonal	
Tissue control:	colon, tonsil	
Staining pattern:	nuclear	
Product codes:	60-0050-7	7 mL RTU
	61-0050	1 mL concentrate

This antibody labels the p53 protein in the nucleus in neoplastic cells. It is a useful tool for classifying tumors of all cell lineages when used in a panel of antibodies.

p63

IVD

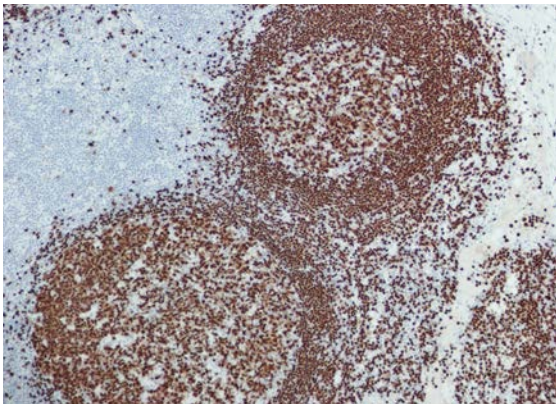


Clone:	4B1E12	
Host, clonality:	mouse monoclonal	
Tissue control:	placenta, prostate, tonsil	
Staining pattern:	nuclear	
Product codes:	60-0074-7	7 mL RTU

This antibody is a useful tool for differentiating squamous, urothelial, and myoepithelial neoplasms when used in a panel of antibodies.

PAX5

IVD

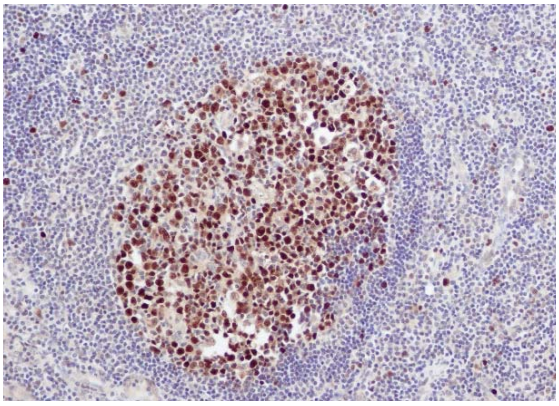


Clone:	GR024	
Host, clonality:	rabbit monoclonal	
Tissue control:	colon, tonsil	
Staining pattern:	nuclear	
Product codes:	60-0093-7	7 mL RTU
	61-0093	1 mL concentrate

This antibody is useful for subtyping lymphomas and lymphatic leukemia in a panel of antibodies. Paired box 5 (PAX5) is expressed in B-cell non-Hodgkin's lymphoma (B-NHL), Hodgkin's lymphoma (HL) and neuroendocrine tumors.

PCNA

IVD

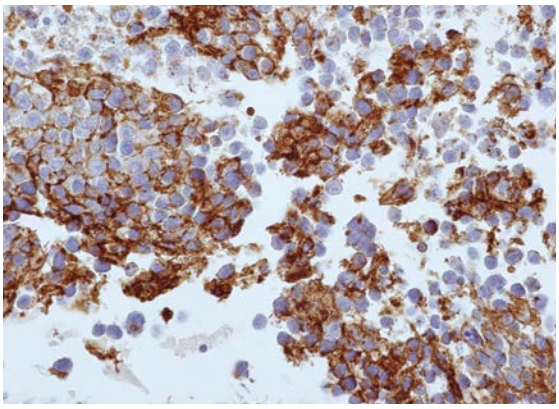


Clone: PC10
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: nuclear
Product codes: 60-0054-7 7 mL RTU
61-0054 1 mL concentrate

This antibody is useful for identifying the expression of Proliferating Cell Nuclear Antigen (PCNA) or cyclin or polymerase delta auxiliary protein. It is elevated in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. PCNA may act as an auxiliary protein of DNA polymerase-delta to play a fundamental role in the initiation of cell proliferation and may be useful when used in a panel of antibodies.

PLAP

IVD

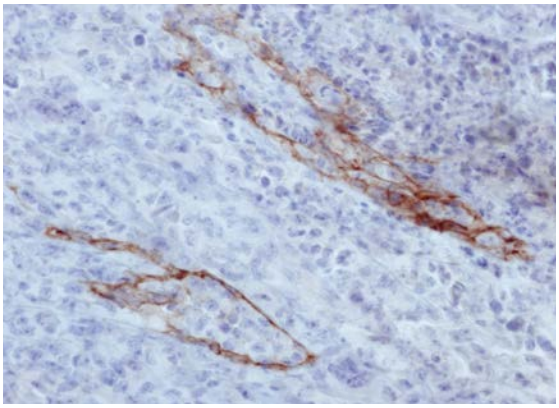


Clone: GM022
Host, clonality: mouse monoclonal
Tissue control: placenta
Staining pattern: membranous, cytoplasmic
Product codes: 60-0139-7 7 mL RTU
61-0139 1 mL concentrate

This antibody is a useful tool for the identification of germ cell tumors (e.g. seminomas) and for the identification desmoplastic small round cell tumors (a soft tissue sarcoma). Placental Alkaline Phosphatase (PLAP) is a highly sensitive marker for the majority of embryonal carcinomas, and endodermal sinus tumors of the testis. Differential identification is aided by the results from a panel of antibodies. This antibody may be used along with EMA and cytokeratin [AE1/AE3] to distinguish germ cell tumors from somatic tumors.

Podoplanin

IVD

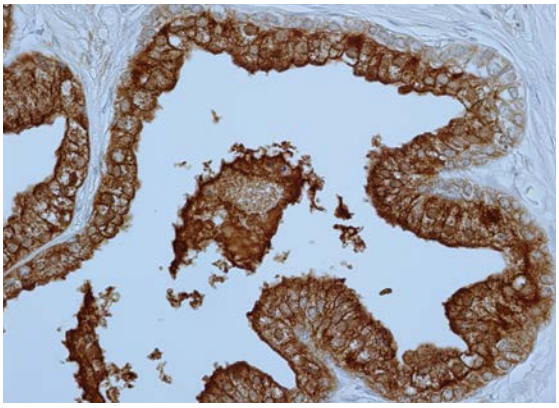


Clone: D2-40
Host, clonality: mouse monoclonal
Tissue control: appendix, tonsil
Staining pattern: cytoplasmic
Product codes: 60-0100-7 7 mL RTU

This antibody is useful for differentiating between malignant mesotheliomas and adenocarcinomas, identifying seminomas, and visualizing lymphatic vessels and lymphatic invasion of primary tumors when used in a panel of antibodies.

Prostate Specific Antigen

IVD



Clone: -
Host, clonality: rabbit polyclonal
Tissue control: appendix, prostate hyperplasia
Staining pattern: cytoplasmic
Product codes: 60-0058-7 7 mL RTU
61-0058 1 mL concentrate

This antibody which is reactive with the Prostate Specific Antigen (PSA) is a useful tool for identification of adenocarcinoma of the prostate in metastatic sites and for differentiating prostate adenocarcinoma from urothelial carcinoma. This antibody may be useful when used in a panel of antibodies.

PsAP (PAP)

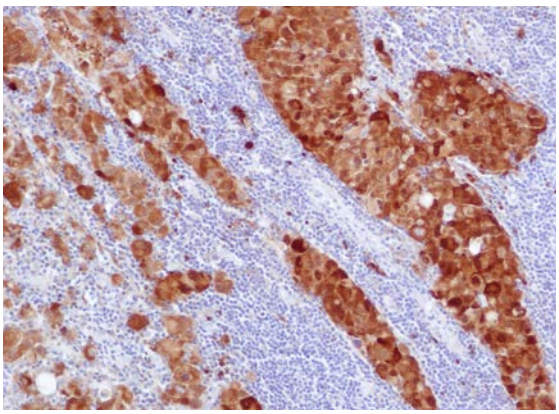
IVD

Clone: PASE/4LJ
Host, clonality: mouse monoclonal
Tissue control: prostate
Staining pattern: cytoplasmic
Product codes: 60-0104-7 7 mL RTU
61-0104 1 mL concentrate

This antibody is a useful tool for the identification of normal prostatic tissue and prostatic carcinoma when used in a panel of antibodies.

S100

IVD

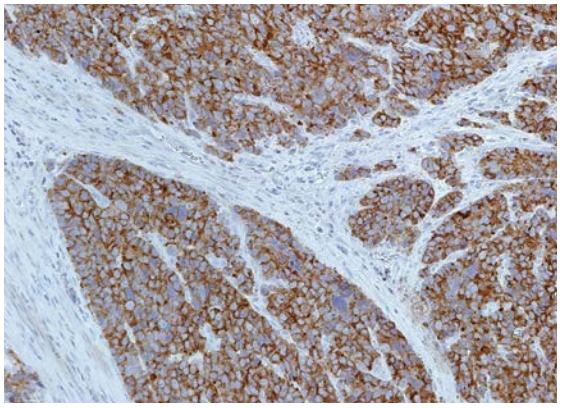


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: appendix, tonsil
Staining pattern: cytoplasmic and nuclear
Product codes: 60-0061-7 7 mL RTU
61-0061 1 mL concentrate

This antibody labels the S100 protein in the cytoplasm of glial cells of nervous system, melanocytes, chondrocytes, and adipocytes. It is a useful tool for classifying tumors in nervous system and differentiating melanomas and nerve sheath tumors from carcinomas when used in a panel of antibodies.

Synaptophysin

IVD

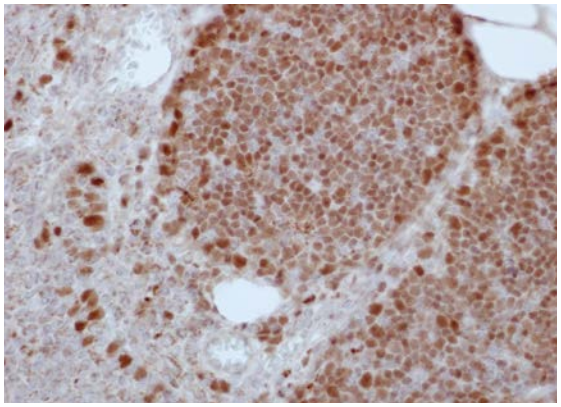


Clone: GR007
Host, clonality: rabbit monoclonal
Tissue control: colon, pancreas
Staining pattern: cytoplasmic
Product codes: 60-0122-7 7 mL RTU
61-0122 1 mL concentrate

In the appendix and colon, moderate to strong cytoplasmic staining of axons is observed in the Auerbach's and Meissner's plexus, and at least moderate cytoplasmic staining of endocrine cells of the mucosal tissue. Cytoplasmic staining is also observed in neuronal and neuroendocrine tumors. This antibody is a useful tool for identifying and classifying neuronal and neuroendocrine tumors when used in a panel of antibodies.

TdT

IVD

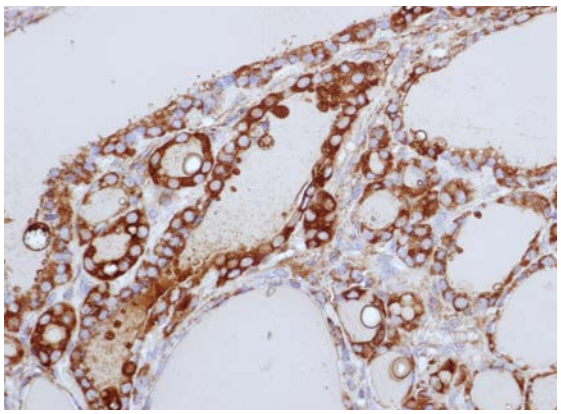


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: thymus
Staining pattern: nuclear
Product codes: 60-0115-7 7 mL RTU

This antibody has value in classification of malignant lymphomas and acute leukemias, particularly for the identification of pre-B and pre-T acute lymphoblastic leukemia (ALL) / lymphoblasitic lymphoma (LBL). The intensity of Terminal Deoxyribonucleotidyl Transferase (TdT) expression is important since weak expression of TdT does not strongly support the diagnosis of ALL and LBL. This antibody may be useful when used in a panel of antibodies.

Thyroglobulin

IVD

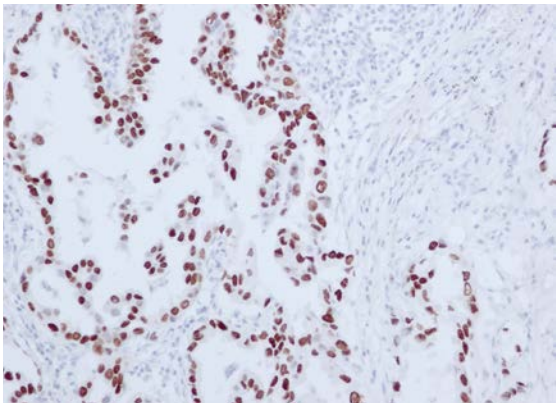


Clone: 2H11/6E1
Host, clonality: mouse monoclonal
Tissue control: thyroid
Staining pattern: cytoplasmic and extracellular
Product codes: 60-0064-7 7 mL RTU
61-0064 1 mL concentrate

This antibody may be useful in the identification of well-differentiated thyroid carcinomas and metastatic thyroid carcinomas. It is expressed in most papillary and follicular thyroid carcinoma when used in a panel of antibodies.

Thyroid Transcription Factor-1

IVD

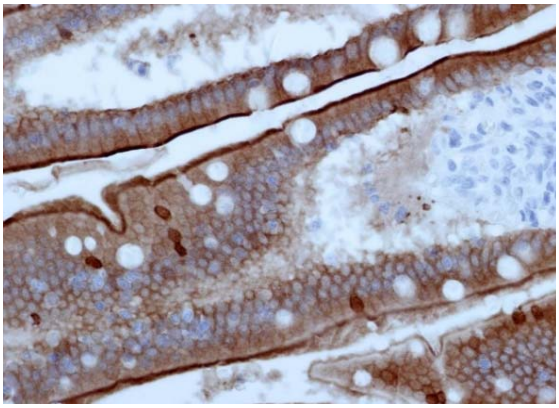


Clone: 8G7G3/1
Host, clonality: mouse monoclonal
Tissue control: lung, thyroid
Staining pattern: nuclear
Product codes: 60-0065-7 7 mL RTU
61-0065 1 mL concentrate

This antibody labels the Thyroid Transcription Factor-1 (TTF-1) protein in the nucleus of follicular epithelial cells in normal thyroid and thyroid tumors, in nuclei of type II pneumocytes, Clara cells, and basal cells of terminal bronchioles in normal lung and lung adenocarcinomas. It is a useful tool for differentiating primary versus metastatic tumors in lung and thyroid when used in a panel of antibodies.

Villin

IVD

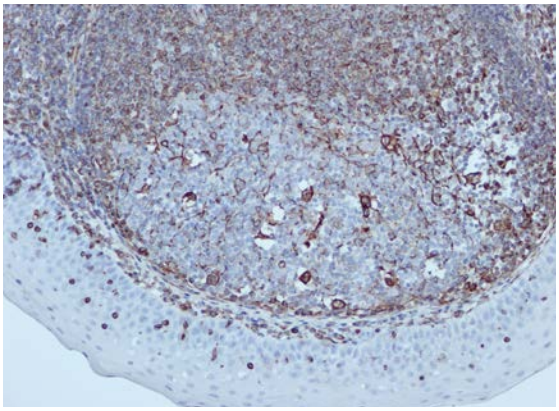


Clone: GR016
Host, clonality: rabbit monoclonal
Tissue control: small intestine or colonic mucosa
Staining pattern: membranous and cytoplasmic
Product codes: 60-0170-7 7 mL RTU

This antibody may also be a useful marker of gastrointestinal tumors particularly those from the colon and stomach, and pancreas. Villin may be a useful marker also for some neuroendocrine carcinomas and ovarian adenocarcinomas when used in a panel of antibodies.

Vimentin

IVD

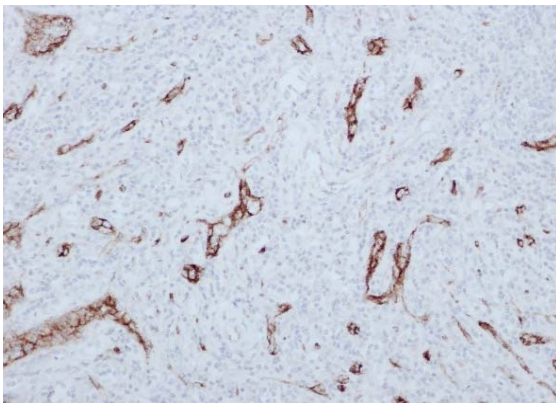


Clone: V9
Host, clonality: mouse monoclonal
Tissue control: tonsil
Staining pattern: cytoplasmic
Product codes: 60-0066-7 7 mL RTU
61-0066 1 mL concentrate

This antibody labels the vimentin antigen in the cytoplasm of mesenchymal cells such as fibroblasts, smooth muscle cells and endothelium in both normal and neoplastic tissue. It is a useful tool for classifying neoplastic tissues of mesenchymal origin such as soft tissue tumors when used in a panel of antibodies.

Von Willebrand Factor (Factor VIII RA)

IVD

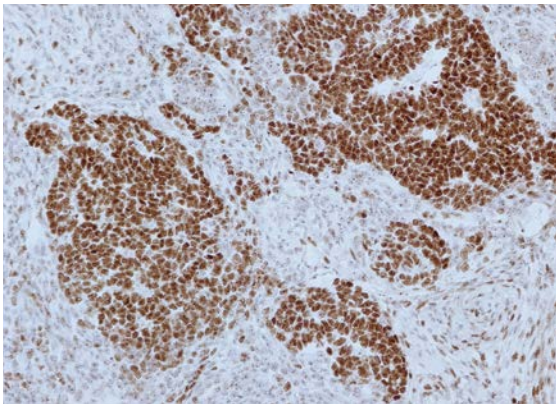


Clone: -
Host, clonality: rabbit polyclonal
Tissue control: tonsil
Staining pattern: cytoplasmic
Product codes: 60-0109-7 7 mL RTU
61-0109 1 mL concentrate

This antibody must be used in conjunction with other more sensitive markers of endothelial cells (e.g. CD34 and CD31) for identifying angiosarcomas. There is overlap between the expression of Von Willebrand Factor (VWF) in vascular and lymphatic endothelium. This antibody may be helpful when used in a panel of antibodies.

WT1

IVD



Clone: 6F-H2
Host, clonality: mouse monoclonal
Tissue control: fallopian tube, kidney
Staining pattern: nuclear
Product codes: 60-0135-7 7 mL RTU

This antibody is particularly useful for distinguishing malignant mesothelioma and ovarian serous carcinoma from nonserous carcinomas. Wilms Tumor 1 (WT1) is also applicable for the differential diagnostic of small cell childhood tumors when used in a panel of antibodies.

Immunohistochemistry detection kits

The Genemed detection kits offer highly sensitive detection systems for immunohistochemistry applications. They are easy-to-use and provide strong staining with the lowest possible background.

Genemed® Power-Stain™ 1.0 Poly HRP DAB Kit for Mouse + Rabbit

IVD

Description

This kit is a non-biotin system and utilizes a Poly HRP (horseradish peroxidase) conjugate to locate where the mouse or rabbit primary antibody is bound to the target antigen. The complex formed between Poly HRP conjugate and the mouse or rabbit primary antibody is observed through the use of a substrate-chromogen solution which, when added, results in a colored precipitate at the antigen location. The staining location and pattern is easily observable by light microscopy.

Genemed® Power-Stain™ 1.0 Poly HRP DAB Kit for Mouse + Rabbit, 15 mL

Genemed® detection kits

Product name	Product code	Quantity
Genemed® Power-Stain™ 2.0 Poly HRP Kit for Mouse + Rabbit	52-0006	15 mL
Genemed® Power-Stain™ 2.0 Poly HRP Kit for Mouse + Rabbit	54-0006	100 mL
Genemed® Power-Stain™ 1.0 Poly HRP DAB Kit for Mouse + Rabbit	52-0017	15 mL
Genemed® Power-Stain™ 1.0 Poly HRP DAB Kit for Mouse + Rabbit	54-0017	100 mL
Genemed® Power-Stain™ 1.0 Poly AP for Mouse and Rabbit	52-0020	15 mL
Genemed® Power-Stain™ 1.0 Poly HRP AEC Kit for Mouse + Rabbit	52-0022	15 mL
Genemed® Power-Stain™ 1.0 Poly HRP AEC Kit for Mouse + Rabbit	54-0022	100 mL
Genemed® Power-Stain™ 1.0 Double Stain (Poly HRP for Mouse + Poly AP for Rabbit)	52-0023	15 mL

Ancillary products

IVD

Product category	Product name	Product code	Quantity
Buffer	Genemed® PBS Powder	10-0044	2 packs
	Genemed® SSC Buffer (20X)	10-0029	100 mL
	Genemed® TBST (Tris Buffered Saline and 0.05% Tween 20), pH 7.4 (20X)	10-0028	100 mL
Chromogen	Genemed® AEC Substrate	10-0005	100 mL
	Genemed® AEC Substrate	10-0047	15 mL
	Genemed® Sensitive DAB Substrate Kit	10-0048	200 mL
Diluent	Genemed® Antibody Diluent for Automated Stainers	10-0058	500 mL
	Genemed® Primary Antibody Diluent	10-0001	500 mL
Counterstain & mounting	Genemed® CleanMount™ Aqueous Mounting Solution	10-0034	15 mL
	Genemed® GVA Aqueous Mounting Solution	10-0033	15 mL
	Genemed® Mayer's Hematoxylin	10-0027	100 mL
	Genemed® Mini PAP Pen	10-0041	1 pen
	Genemed® Super PAP Pen	10-0045	1 pen
Prestaining	Genemed® A/B Block Kit (Avidin/Biotin Blocking Solution)	10-0039	15 mL
	Genemed® Blocking Solution (Non-immune)	10-0032	100 mL
	Genemed® C-Block (Casein Blocking Solution)	10-0040	100 mL
Pretreatment	Genemed® Citrate Buffer pH 6 (20X)	10-0020	100 mL
	Genemed® Citrate Buffer pH 6	10-0022	1 L, RTU
	Genemed® Peroxidase Blocking Solution	10-0056	100 mL
	Genemed® Proteinase K	10-0024	50 mL
	Genemed® Tris EDTA Buffer pH 9 (20X)	10-0037	100 mL
	Genemed® Tris EDTA Buffer pH 9	10-0046	1 L, RTU

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