

Product datasheet for **SM3153P**

CD44 Mouse Monoclonal Antibody [Clone ID: MEM-85]

Product data:

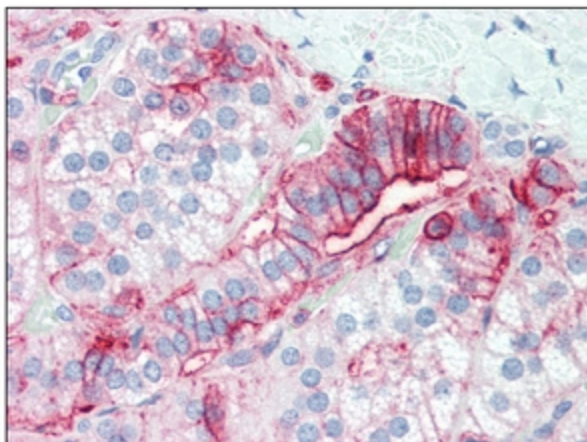
Product Type:	Primary Antibodies
Clone Name:	MEM-85
Applications:	ELISA, FC, IHC, IP, WB
Recommended Dilution:	ELISA. Flow Cytometry: 1 µg/ml. Immunoprecipitation. Western Blot: 2 µg/ml, 60 min on vertical incubator <i>Positive Control:</i> Kg-1a human leukemia cell lysate. <i>Sample Preparation:</i> Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer. <i>Application note:</i> Non-reducing conditions. SDS-PAGE (6% separating gel). Immunohistochemistry on Paraffin Sections: 5 µg/ml. Formalin-Fixed Paraffin-Ebedded Hman tissues requires HIER antigen retrieval with sodium citrate at pH 6.0.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Leucocytes of a patient suffering from LGL Type Leukaemia
Specificity:	The antibody MEM-85 reacts with both cell surface-expressed and soluble form of CD44 antigen (Phagocyte glycoprotein 1), a 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes.
Formulation:	PBS, pH~7.4 with 15 mM Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A



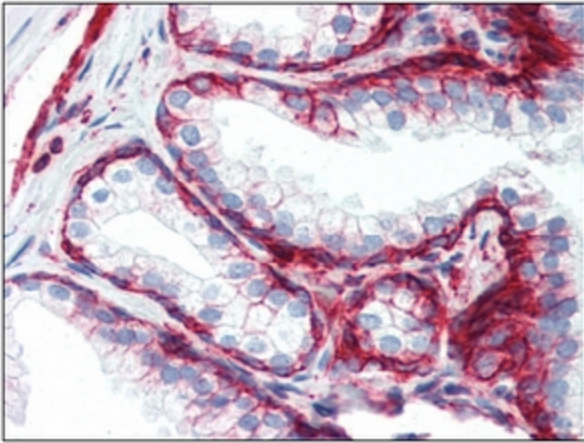
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Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	Entrez Gene 960 Human P16070
Background:	CD44 is a transmembrane glycoprotein expressed on the surface of most cells, which serves as a receptor for hyaluronan. CD44 mediates angiogenesis, cell adhesion, proliferation and migration, it is thus important for lymphocyte activation, recirculation and homing, it can thus serve e.g. as a modulator of macrophage recruitment in response to pathogen. Although CD44 functions are essential for physiological activities of normal cells, elevated CD44 expression correlates with poor prognosis in many carcinomas, facilitating tumour growth and metastasis, antiapoptosis and directional motility of cancer cells.
Synonyms:	LHR, MDU2, MDU3, MIC4, CDw44, Epican, ECMR-III, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, PGP-1

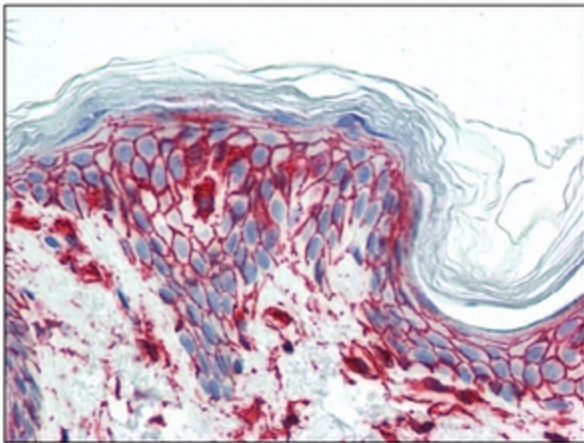
Product images:



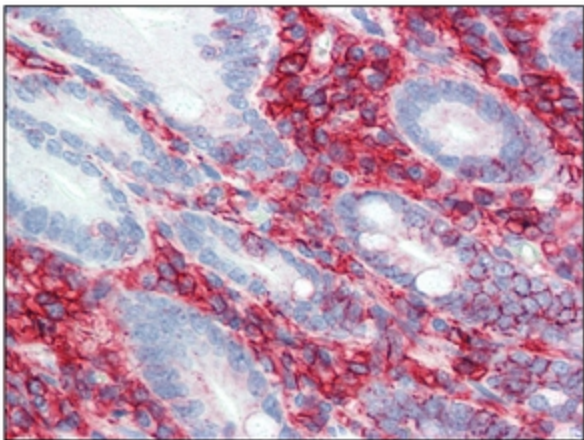
Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Adrenal at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



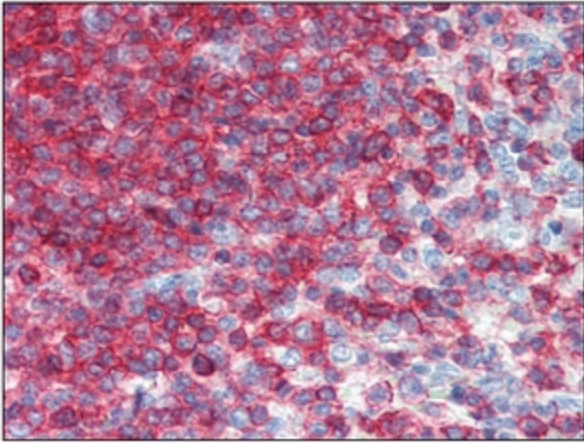
Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Prostate at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



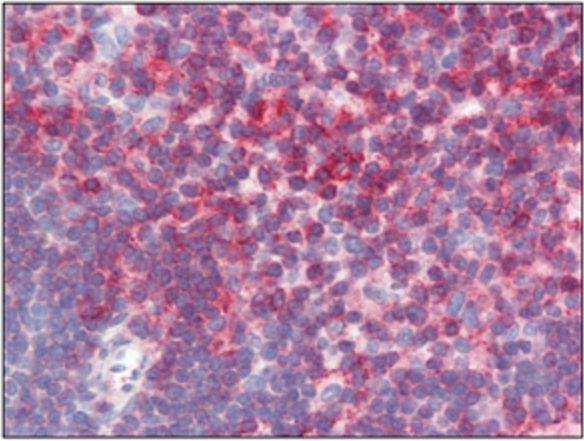
Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Skin at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



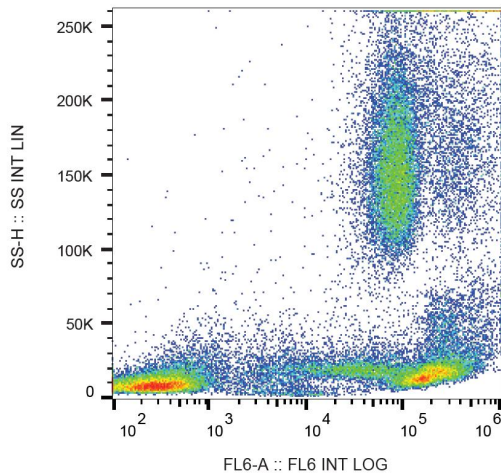
Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Small Intestine at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Spleen at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry: CD44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Thymus at 5 ug/ml followed by biotinylated anti-Mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Surface staining of human peripheral blood with anti-human CD44 (MEM-85) purified / GAM-APC.