

Product datasheet for **SM1118P**

CD44 Mouse Monoclonal Antibody [Clone ID: VFF-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VFF-7
Applications:	FC, IHC, WB
Recommended Dilution:	Western blotting. Flow Cytometry: Use 10 µl of 1/50-1/200 diluted antibody to label 1 ⁰ cells in 100 µl. Immunohistochemistry on Frozen Sections: 1/400-1/500. Immunohistochemistry on Paraffin Sections: 1/200. Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein corresponding to exon variant 6 of the CD44 molecule. Spleen cells from immunised BALB/c micewere fused with cells of the P3X63Ag8.653 myeloma cell line.
Specificity:	SM1118P specifically recognises an epitope encoded by exon v6 on the variant portion of CD44.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD44 molecule (Indian blood group)



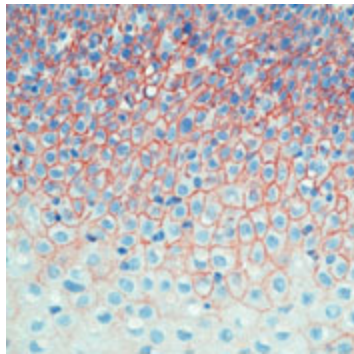
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Database Link: [Entrez Gene 960 Human P16070](#)

Background: CD44 variant 6 is a cell surface glycoprotein expressed on lymphocytes, monocytes, and granulocytes. The CD44 molecule belongs to a family of cellular adhesion molecule found on a wide range of normal and malignant cells in epithelial, mesothelial and haematopoietic tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA. The expression of specific cell adhesion molecule CD44 splice variants has been shown to be associated with metastasis and poor prognosis in certain human malignancies, such as breast cancer.

Synonyms: CD44, LHR, MDU2, MDU3, MIC4, Phagocytic glycoprotein I, PGP-1, HUTCH-I, Extracellular matrix receptor-III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, Hermes antigen, Hyaluronate receptor, Heparan sulfate proteoglycan, Epican, CDw44

Product images:



Formalin-fixed, paraffin-embedded human tonsil stained with CD44v6 Ab using peroxidase-conjugate and AEC chromogen. Note membrane staining of mucosal epithelial cells.