

Product datasheet for **SM1124P**

CD44 Mouse Monoclonal Antibody [Clone ID: VFF-9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	VFF-9
Applications:	FC, IHC, WB
Recommended Dilution:	Flow cytometry: 1/50; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Western Blot. Immunohistochemistry on frozen sections: 1/50. Immunohistochemistry on paraffin sections: 1/50; This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Recommended Positive Control: Skin.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human CD44v7.
Specificity:	This antibody specifically recognises an epitope encoded by exon v7 on the variant portion of CD44.
Formulation:	PBS containing 0.01% Thimerosal State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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)
Database Link:	Entrez Gene 960 Human P16070



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Background:

CD44 is a receptor for hyaluronic acid (HA). It mediates cell to cell and cell matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post translational modification events.

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