

Product datasheet for **SM1898P**

CD44 Mouse Monoclonal Antibody [Clone ID: F10-44-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F10-44-2
Applications:	FC, IHC
Recommended Dilution:	Suitable for Flow cytometry (Use 10 µl of neat antibody to label 10e6 cells in 100 µl). Immunohistochemistry on Paraffin Sections (1/50-1/100) and Frozen sections. Positive Control: human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human T lymphocytes. Spleen cells of immunised BALB/c mice were fused with cells from the mouse NS1 myeloma line.
Specificity:	This antibody recognises the human CD44 cell surface antigen and is routinely tested in flow cytometry on human peripheral blood lymphocytes.
Formulation:	PBS, pH 7.4, containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Should this product contain a precipitate we recommend microcentrifugation before use. 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:** The human CD44 cell surface antigen is a 100 kD glycoprotein widely expressed on human leucocytes, white matter of the brain and by some epithelial cells of the intestine and of the breast. CD44 expression may be up-regulated upon some carcinomas, and it has been speculated that this may be related to metastatic potential.
- Synonyms:** LHR, MDU2, MDU3, MIC4, CDw44, Epican, ECMR-III, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, PGP-1