

## Product datasheet for **SM1898FT**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	F10-44-2
Applications:	FC
Recommended Dilution:	Flow cytometry (Neat-1/10): Use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. This product is routinely tested in flow cytometry on human peripheral blood lymphocytes.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human T lymphocytes.
Specificity:	This antibody recognises the CD44 cell surface antigen.
Formulation:	PBS, pH 7.4, containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	<a href="#">Entrez Gene 960 Human P16070</a>



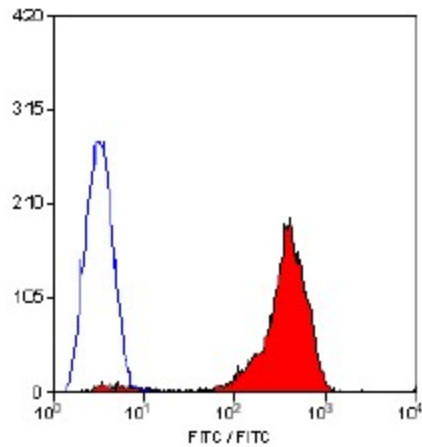
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**Background:**

CD44 is a 100 kD glycoprotein widely expressed on human leucocytes, and on the white matter of brain and by some epithelial cells of the intestine and of the breast. CD44 expression may be upregulated 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

**Product images:**

Staining of human peripheral blood lymphocytes