

Product datasheet for **SM030FX**

Cd44 Mouse Monoclonal Antibody [Clone ID: 5035-41.1D]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5035-41.1D
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/50 diluted antibody to label 1x10e6 cells in 100 µl.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1a mice. Spleen cells from immunised mice were fused with cells of the mouse P3-NS1-1-Ag4 myeloma cell line.
Specificity:	Ly24.2 found on more than 90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells. This antibody recognises the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction.
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 antigen
Database Link:	Entrez Gene 12505 Mouse P15379



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Background:

CD44 is a receptor for hyaluronic acid (HA) and is involved in cell-cell interactions, cell adhesion and migration. CD44 also participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing. 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