

Monoclonal Antibody to CD44 - FITC

Alternate names: CDw44, ECMR-III, Epican, Extracellular matrix receptor III, GP90 lymphocyte

homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, LHR, MDU2, MDU3, MIC4, PGP-1, Phagocytic glycoprotein 1

Catalog No.:SM030FTQuantity:25 μgConcentration:0.1 mg/ml

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.

Uniprot ID: P15379

NCBI: NP_001034240.1

GenelD: <u>12505</u>

Host / Isotype: Mouse / IgG1 Clone: 5035-41.1D

Immunogen: Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1alpha mice. Spleen cells from immunised mice

were fused with cells of the mouse P3-NS1-1-Ag4 myeloma cell line.

Format: State: Liquid purified IgG fraction.

Purification: Affinity chromatography on Protein G

Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as

stabilizer.

Label: FITC - Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry: Use 10 μl of neat antibody to label 10e6 cells or 100 μl whole blood.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

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.

Species: Mouse.

Other species not tested.



SM030FT: Monoclonal Antibody to CD44 - FITC

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

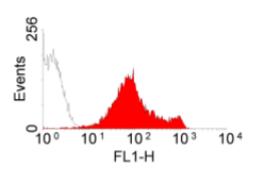
This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General References: 1. Sutton, V.R. et al. (1987) Genetic and biochemical characterization of antigens encoded

by the Ly24 (Pgp-1) locus. J. Immunogenetics 14: 43-57.

Pictures:



Staining of mouse spleen cells with MOUSE ANTI MOUSE CD44:FITC