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Monoclonal Antibody to CD44 - Purified

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.: SM030PT

Quantity: 25 µg

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

GeneID: 12505

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.

Applications: Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 µl.
Immunoprecipitation.
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.

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.
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.