

Monoclonal Antibody to CD44 - FITC

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| 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.: | SM030FT |
| Quantity: | 25 µg |
| Concentration: | 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 |
| 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 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. |

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

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

