

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.:** SM030P
- Quantity:** 0.25 mg
- 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.

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