

CD44/Pgp-1 Antibody | anti-Cd44 antibody

Rat Anti-Mouse CD44/Pgp-1-UNLB

CATALOG #
AAA78661

APPLICATIONS
Flow Cytometry, Functional Assay

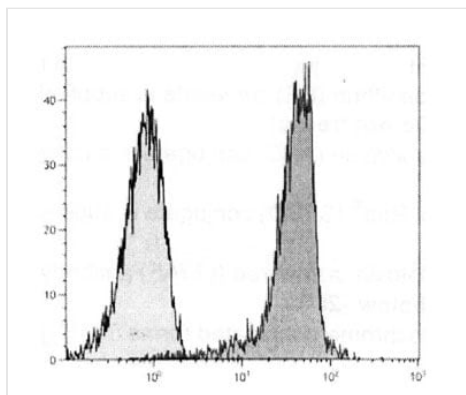
PRODUCT SYNONYMS

CD44/Pgp-1; Rat Anti-Mouse CD44/Pgp-1-UNLB; Rat Anti-Mouse CD44/Pgp-1 - Purified; Unlabeled Antibody; Rat Anti-Mouse CD44/Pgp-1; anti-Cd44 antibody

PRODUCT SPECIFICATIONS

Isotype	Rat (LOU/MN) IgG1 k
Clone Number	KM201
Specificity	Mouse CD44 (all isoforms); Mr 80-95 kDa
Form/Format	Supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2.
Applicable Applications for anti-Cd44 antibody	FCM/FACS (Flow Cytometry)
Immunogen	(C57BL/6 x DBA/2)F1 mouse bone marrow-derived stromal clone BMS2
Preparation and Storage	Store at 2-8°C.

IMAGES



Application Data

C57BL/6 mouse bone marrow cells were stained with Rat Anti-mouse CD44-APC (AAA78661)

ADDITIONAL INFORMATION

Related Product Information for anti-Cd44 antibody

CD44 represents a family of type I transmembrane glycoproteins expressed on many cell types such as B cells, monocytes, macrophages, and variable subsets of thymocytes and peripheral T cells. CD44 primarily functions as an adhesion molecule. It has been implicated in various processes, such as hematopoiesis, lymphocyte homing, leukocyte activation, tumor metastasis and development. The KM201 monoclonal antibody reacts with an epitope very close to the hyaluronate binding domain on the CD44 molecule. KM201 can inhibit hyaluronate-dependent cell aggregation, prevent lympho-hemopoiesis in both Dexter and Whitlock-Witte cultures, prevent the earliest intrathymic precursors from homing to the thymus, and costimulate the activation of freshly purified splenic CD4⁺ T cells.

References
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2. Lesley, J., Q. He, K. Miyake, A. Hamann, R. Hyman, and P. W. Kincade. 1992. J. Exp. Med. 175:257.
3. Lazaar, A. L. and E. Pure. 1995. The Immunologist 3:19.
4. Culty, M., K. Miyake, P. W. Kincade, E. Sikorski, E. C. Butcher, C. Underhill, and E. T. Silorski. 1990. J. Cell Biol. 111:2765.
5. Wu, L., P. W. Kincade, and K. Shortman. 1993. Immunol. Lett. 38:69.
6. Sommer, F., M. Huber, M. Rollinghoff, and M. Lohoff. 1996. Int. Immunol. 7:1779.
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8. He, Q., J. Lesley, R. Hyman, K. Ishihara, and P. W. Kincade. 1992. J. Cell Biol. 119:1711.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923703
NCBI GeneID	25406
NCBI Accession #	NP_037056.2
NCBI GenBank Nucleotide #	NM_012924.2
UniProt Accession #	O08779; O35249; O70509; P26051; Q9EP99; Q9ERN2; Q9ERN3
NCBI Official Full Name	CD44 antigen
NCBI Official Synonym Full Names	Cd44 molecule
NCBI Official Symbol	Cd44
NCBI Official Synonym Symbols	CD44A; META4; RHAMM; MGC124941
NCBI Protein Information	CD44 antigen; PGP-1; PGP-I; HUTCH-I; ECMR-III; hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; phagocytic glycoprotein I; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; Cell surface glycoprotein CD44 (hyaluronate binding protein)
UniProt Protein Name	CD44 protein
UniProt Gene Name	Cd44
UniProt Synonym Gene Names	CD44
UniProt Entry Name	O08779_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.