

Rat anti-Mouse CD44 Monoclonal Antibody | anti-CD44 antibody

Anti-Mouse CD44, Purified (Clone KM81) (rat IgG2a)

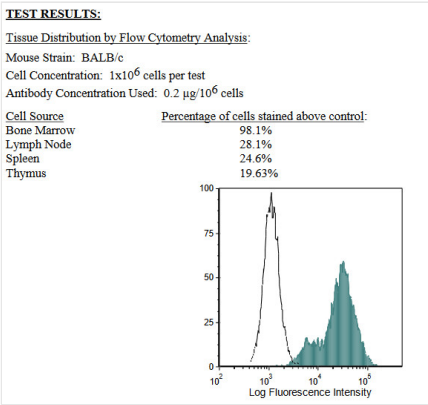
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14269	Rat	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD44; Monoclonal Antibody; Anti-Mouse CD44; Purified (Clone KM81) (rat IgG2a); Anti-Mouse CD44 Monoclonal Antibody; anti-CD44 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2a
Clone Number	KM81
Specificity	CD44 (Ly 24, Pgp-1) (Mouse CD44)
Form/Format	Purified
Sequence Length	43
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Hybridoma Production	Immunization: Immunogen: Bone Marrow Derived Stromal Cells (clone BMS2) Donor: Lou/MN Rat Fusion Partner: SP 2/0
Presentation	Purified IgG buffered in PBS and 0.02% NaN ₃ . (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
Preparation and Storage	For all formats, store at 4 degree C. DO NOT FREEZE APC and PE conjugates. For long term storage (Purified, Biotin, FITC, No Azide), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.



Application Data

ATH mouse bone marrow stained with anti-CD44 (clone: KM81) (filled histogram) or Rat IgG2a isotype control (open histogram).N.B. Appropriate control samples should always be included in any labelling studies. * For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	anti-mouse CD44 (Pgp-1, Ly-24) monoclonal antibody recognizes a 95 kDa glycoprotein found on most hematopoietic cells. It is thought to be important in the regulation of migratory properties of lymphocytes during development and the regulation of the interaction with bone marrow stromal cells during hematopoiesis. CD44 functions as a receptor for hyaluronate, although some cells expressing CD44 do not bind hyaluronate. This antibody has been shown to inhibit the growth of lymphoid and myeloid cells in long term bone marrow cultures. It also blocks the adhesive interactions of B cell hybridomas to a cloned stromal line or to hyaluronate coated dishes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	685122
NCBI GeneID	960
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	81,538 Da
NCBI Official Full Name	CD44
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	CD44
NCBI Official Synonym Symbols	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
NCBI Protein Information	CD44 antigen; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; chondroitin sulfate proteoglycan 8; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system
UniProt Protein Name	CD44 antigen
UniProt Gene Name	CD44
UniProt Synonym Gene Names	LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I
UniProt Entry Name	CD44_HUMAN

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.

