

Mouse CD44 Monoclonal Antibody | anti-CD44 antibody

Anti-Rat CD44 FITC (Clone OX-49) (mouse IgG2a)

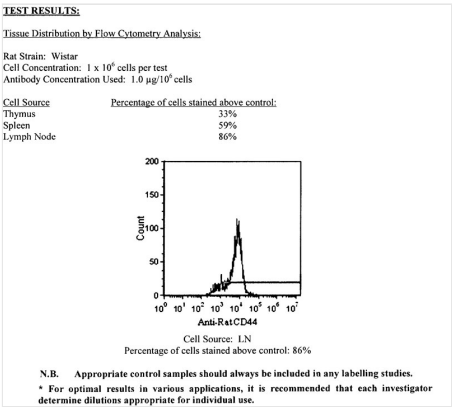
CATALOG # AAA74147	HOST Mouse	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

CD44; Monoclonal Antibody; Anti-Rat CD44 FITC (Clone OX-49) (mouse IgG2a); CD44 FITC (Clone OX-49) (mouse IgG2a); FITC Anti-Rat CD44 Monoclonal Antibody; anti-CD44 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Form/Format	FITC (FITC conjugated Ig buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Concentration	Antibody Concentration: 0.1 mg/ml (varies by lot)
Sequence Length	43
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry)
Specifications	Clone: MRC OX-49 Hybridoma Production Immunization: Immunogen: T cell blasts Donor: BALB/c spleen Fusion Partner: myeloma cell line NSO/1 Specificity: Rat CD44 IgClass: Mouse IgG _{2a}
Test results	Tissue Distribution by Flow Cytometry Analysis Rat Strain: Wistar Cell Concentration: 1x10 ⁶ cells per test Antibody Concentration Used: 1.0 ug/10 ⁶ cells
Preparation and Storage	Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles and prolonged exposure to light.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	anti-rat CD44 (OX-49) monoclonal antibody recognizes rat CD44 (Pgp-1), also called CD44H. This antigen is expressed on most leukocytes (except a sub population of B cells) and increases upon activation. The OX-49 antibody binds extracellularly to the standard (S) form on rat leukocytes but it is not known if they bind to the N-terminal region. It has also been reported that the antibody may bind to melanoma cell lines that express CD44V (splice variant form). This antibody is suitable for flow cytometry and immunohistochemistry on frozen and paraffin sections.
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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
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.