

Mouse CD44/HCAM Antibody | anti-CD44 antibody

CD44/HCAM Std. (Cancer Stem Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215306	Mouse	Human, Baboon, Green Monkey	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot, Functional Assay

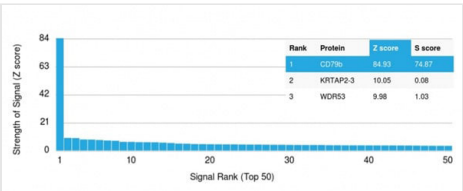
PRODUCT SYNONYMS

CD44/HCAM; CD44/HCAM Std. (Cancer Stem Cell Marker); LHR; BA-1; chondroitin sulfate proteoglycan 8 (CSPG8); Epican; Extracellular Matrix Receptor III (ECM III); GP90 Lymphocyte Homing Adhesion Receptor; HCAM; HCELL; hematopoietic cell E- and L-selectin ligand; Heparan Sulfate Proteoglycan; Hermes Antigen; HAS; HUTCH I; Hyaluronate Receptor; Indian blood group; Inlu Related p80 Glycoprotein; Ly 24; MDU2; MDU3; MIC4; MUTCH I; Phagocytic Glycoprotein 1 (PGP-1); anti-CD44 antibody

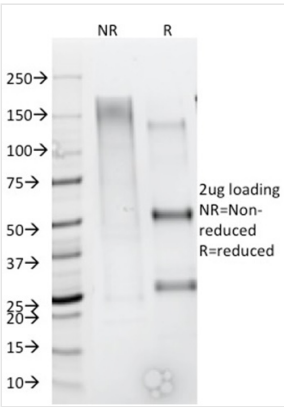
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Baboon, Green Monkey
Isotype	IgG1, kappa
Clone Number	rHCAM/918
Specificity	Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This MAb selectively interferes with lymphocyte binding to lymph node, mucosal and synovial endothelium. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44 immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	742
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot), FA (Functional Assay)
Positive Control	HeLa cells (FACS). HeLa cell lysate (WB). Paracortex in tonsil or lymph node (IHC).
Immunogen	Recombinant full-length human CD44 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	11p13
Antibody Type	Recombinant Mouse Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified CD44 Recombinant Mouse Monoclonal Antibody (rHCAM/918).
Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cervix stained with CD44 Recombinant Mouse Monoclonal Antibody (rHCAM/918).

ADDITIONAL INFORMATION

References	Schlossman SF, et. al. Leucocyte Typing V, p1713-1719, Oxford Univ. Press, 1995
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3
NCBI GenBank Nucleotide #	NP_000601.3
UniProt Accession #	P16070
Molecular Weight	80-95kDa
NCBI Official Full Name	CD44 antigen isoform 1
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
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.