

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

CD44

CATALOG # AAA59264	HOST Mouse	REACTIVITY Human
------------------------------	----------------------	----------------------------

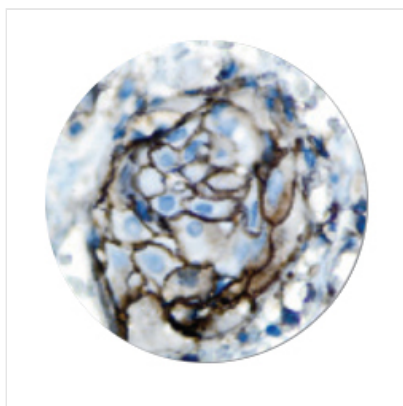
PRODUCT SYNONYMS

CD44; Monoclonal Antibody; anti-CD44 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MRQ-13
Form/Format	CD44 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Tonsil, Kidney, Esophageal CA
Localization	Membranous
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:250- 1:1000	0.1 ml
Concentrated	1:250- 1:1000	0.5 ml
Concentrated	1:250- 1:1000	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody	The CD44 protein is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. CD44 is also known as Homing-cell adhesion molecule (H-CAM) and Phagocytic glycoprotein-1 (PgP-1). A specialized sialofucosylated glycoform of CD44 called HCELL is found natively on human hematopoietic stem cells and functions as a "bone-homing receptor"•, directing migration of human hematopoietic stem cells and mesenchymal stem cells to bone marrow. This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms; however, the full-length nature of some of these variants has not been determined. Splice variants of CD44 on Colon Cancer cells display the HCELL glycoform, which mediates binding to vascular E-selectin under hemodynamic flow conditions, a critical step in Colon Cancer metastasis. In addition, variations in CD44 are reported as cell surface markers for some breast and prostate cancer stem cells and have been seen as an indicator of increased survival time in Epithelial Ovarian Cancer patients.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	685122
NCBI GeneID	960
UniProt Accession #	O95370; P16070; Q86UZ1; Q99900; Q9H5A3; Q9H5A4; Q9H5A6; Q9H5A7; Q9P2Z2
Molecular Weight	15,635 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; MGC10468
NCBI Protein Information	CD44 antigen; epican; Hermes antigen; OTTHUMP00000232487; OTTHUMP00000232488; OTTHUMP00000232489; OTTHUMP00000232491; OTTHUMP00000232492; OTTHUMP00000232493; OTTHUMP00000232494; OTTHUMP00000232495; OTTHUMP00000232522; 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 (Indian blood group), isoform CRA_g
UniProt Gene Name	CD44
UniProt Entry Name	O95370_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd44-antibody-clone-mrq-13-elisa/59264>