

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

Mouse Monoclonal [clone 8E2F3] (IgG1) to Human CD44

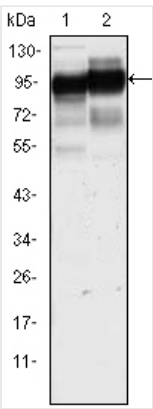
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12358	Mouse	Human, Mouse	Immunohistochemistry, Immunofluorescence, Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

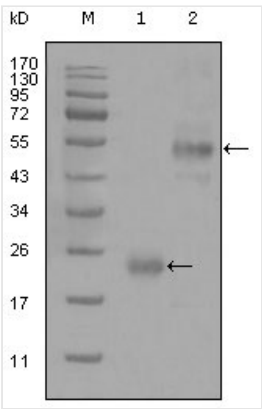
CD44; Monoclonal Antibody; Mouse Monoclonal [clone 8E2F3] (IgG1) to Human CD44; Anti-CD44 Antibody (clone 8E2F3) IHC-plus; CDW44; CD44 antigen; Cell surface glycoprotein CD44; CSPG8; ECMR-III; Epican; HUTCH-I; LHR; MDU2; MC56; MIC4; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; PGP-I; Pgp1; Phagocytic glycoprotein I; MDU3; CD44R; HCELL; Human CD44; anti-CD44 antibody

PRODUCT SPECIFICATIONS

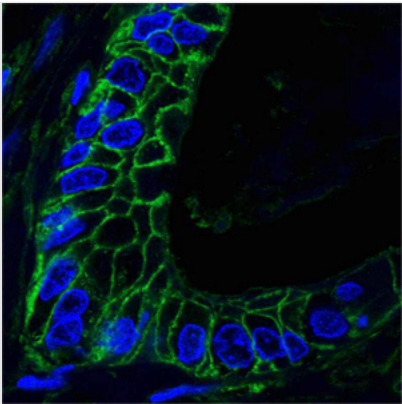
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	8E2F3
Specificity	human CD44
Purity/Purification	Ascites
Form/Format	Ascites fluid, 0.03% sodium azide
Sequence Length	742
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Application Notes	ELISA (1:10000), Flo (1:200 - 1:400), IF (1:200 - 1:1000), IHC-P (1:50), WB (1:500 - 1:2000)
Target Species	Human
Immunogen Description	Purified recombinant fragment of human CD44 (628-699) expressed in E Coli.
Immunogen	CD44 antibody was raised against purified recombinant fragment of human CD44 (628-699) expressed in E Coli.
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C. Avoid repeat freeze-thaw cycles.



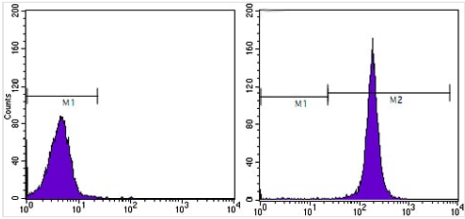
WB (Western Blot)
Western blot of anti-CD44 mAb against HeLa (1) and HUVE-12(2) cell lysate.



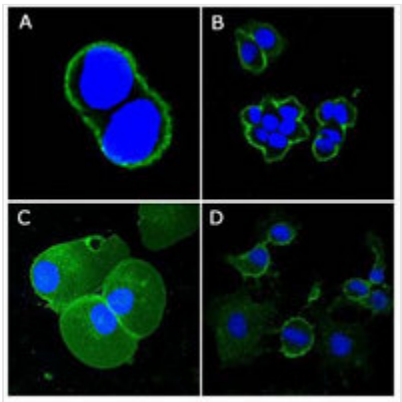
WB (Western Blot)
Western blot of anti-CD44 mAb against truncated Trx-CD44 recombinant protein (1) and GST-CD44 (aa628-699) recombinant protein (2).



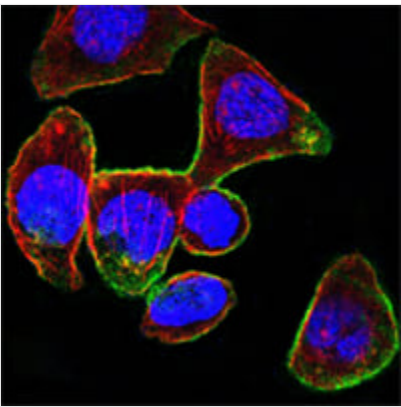
WB (Western Blot)
Confocal analysis of paraffin-embedded human lung cancer tissues using anti-CD44 mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.



FCM (Flow Cytometry)
Flow cytometry of HeLa cells using anti-CD44 mAb (right) and negative control (left).



ICC (Immunocytochemistry)
Confocal immunofluorescence of methanol-fixed A431 (A), HeLa (B), PANC-1 (C) and EC (D) cells using anti-CD44 mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.



IF (Immunofluorescence)
Confocal immunofluorescence of PANC-1 cells using anti-CD44 mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

ADDITIONAL INFORMATION

Related Product Information for anti-CD44 antibody

CD44 is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3
NCBI GenBank Nucleotide #	NM_000610.3
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	15,635 Da
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; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd44-antibody-clone-8e2f3-immunohistochemistry-immunofluorescence-western-blot-flow-cytometry-elisa/12358>