

CD44 recombinant antibody

CD44 Recombinant Monoclonal Antibody

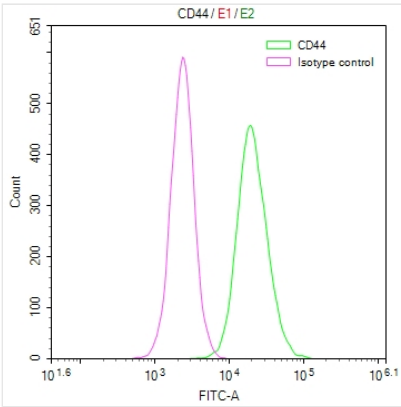
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279104	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

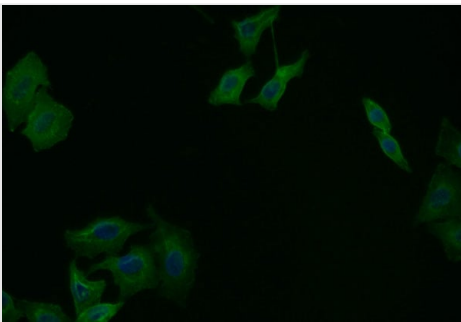
CD44; Monoclonal Recombinant Antibody; CD44 Recombinant Monoclonal Antibody; CD44 antigen (CDw44)(Epican)(Extracellular matrix receptor III)(ECMR-III)(GP90 lymphocyte homing/adhesion receptor)(HUTCH-I)(Heparan sulfate proteoglycan)(Hermes antigen)(Hyaluronate receptor)(Phagocytic glycoprotein 1)(PGP-1)(Phagocytic glycoprotein I)(PGP-I)(CD antigen CD44); LHR MDU2 MDU3 MIC4; CD44 recombinant antibody

PRODUCT SPECIFICATIONS

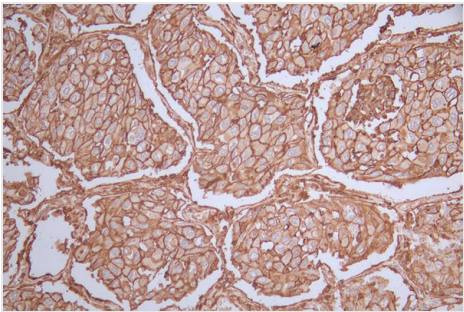
Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	19H12
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for CD44 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human CD44
Conjugation	Non-conjugated
Research Area	Cancer; Immunology; Stem cells
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



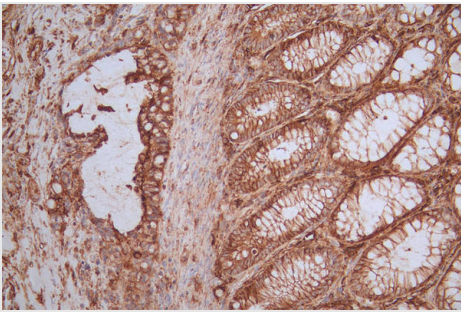
FCM/FACS (Flow Cytometry)
Overlay Peak curve showing HeLa cells stained with AAA279104 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4°. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°.Control antibody (green line) was rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



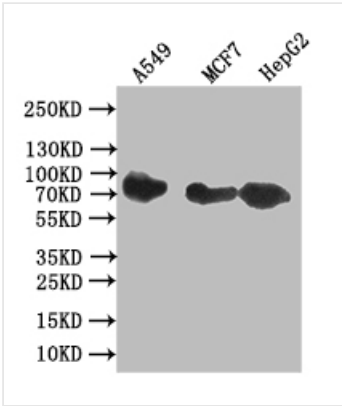
IF (Immunofluorescence)
Immunofluorescence staining of HeLa with AAA279104 at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 515-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)
IHC image of AAA279104 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.51% DAB.



IHC (Immunohistochemistry)
IHC image of AAA279104 diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.51% DAB.



WB (Western Blot)
Western BlotPositive WB detected in: A549 whole cell lysate, MCF7 whole cell lysate, HepG2 whole cell lysateAll lanes: CD44 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 81 kDaObserved band size: 81 kDa

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
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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	81,538 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 rec
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-recombinant-antibody-clone-19h12-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/279104>