

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

Anti-CD44 Mouse mAb

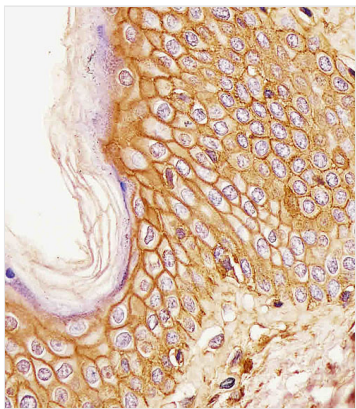
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14166	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

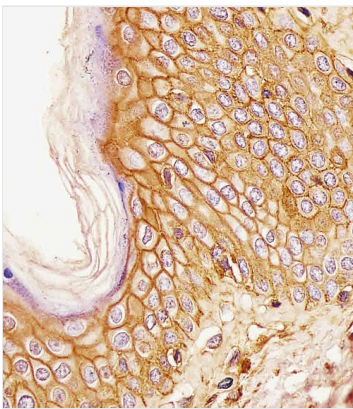
CD44; Monoclonal Antibody; Anti-CD44 Mouse mAb; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I; LHR; MDU2; MDU3; MIC4; anti-CD44 antibody

PRODUCT SPECIFICATIONS

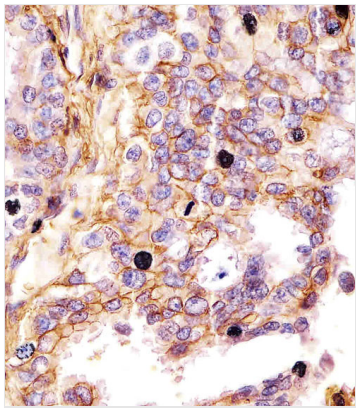
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	Hermes-3
Purity/Purification	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	742
Applicable Applications for anti-CD44 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:2000 ICC: 1:10-50 IHC: 1:25
Immunogen	This CD44 monoclonal antibody is generated from mouse immunized with CD44 recombinant protein.



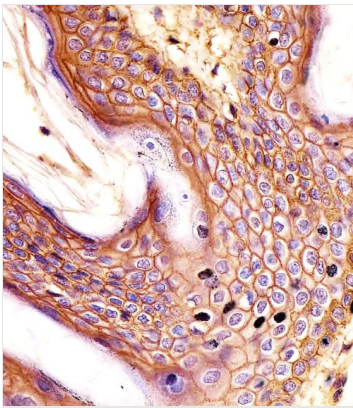
IHC (Immunohistochemistry)
CD44 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human esophagus carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CD44 antibody for immunohistochemistry. Clinical relevance has not been evaluated.



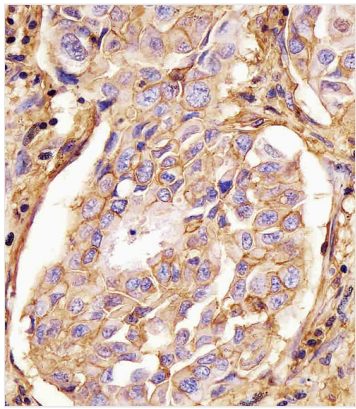
IHC (Immunohistochemistry)
AAA14166 staining CD44 in human skin tissue sections by Immunohistochemistry (IHC-P- paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37u00b0C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



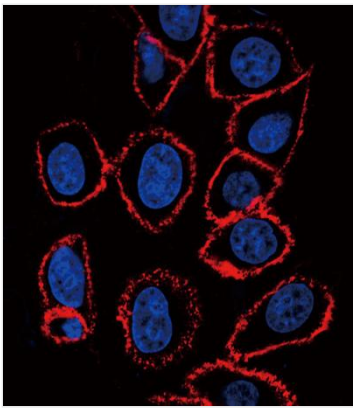
IHC (Immunohistochemistry)
AAA14166 staining CD44 in human lung adenocarcinoma tissue sections by Immunohistochemistry (IHC-P- paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37u00b0C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



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Application Data
AAA14166 staining CD44 in human lung adenocarcinoma tissue sections by Immunohistochemistry (IHC-P- paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antige



Application Data
CD44 antibody confocal immunofluorescent analysis with hela cell. 0.01 mg/ml primary antibody was followed by PE-conjugated goat anti-mouse IgG (whole molecule). PE emits red fluorescence. DAPI was used to stain the cell nuclear (blue).

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	81kDa
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

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-hermes-3-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/14166>