

Rabbit anti-Human CD146/MCAM Monoclonal Antibody | anti-CD146/MCAM antibody

CD146/MCAM Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA102729	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CD146/MCAM; Monoclonal Antibody; CD146/MCAM Mouse Monoclonal Antibody; CD146; MCAM; MUC18; Cell surface glycoprotein MUC18; Cell surface glycoprotein P1H12; Melanoma cell adhesion molecule; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; anti-CD146/MCAM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	Human; other species are not tested. Please decide the specificity by homology
Purity/Purification	Purification: Protein A+G purification Purity: > = 95% as determined by SDS-PAGE
Form/Format	Liquid
Applicable Applications for anti-CD146/MCAM antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Melanoma cell adhesion molecule
Calculated MW	72kDa, Observed 120kDa
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Preparation and Storage	-20 degree C for 24 months (Avoid repeated freeze / thaw cycles.)

IMAGES



WB (Western Blot)

A375 cells were subjected to SDS PAGE followed by western blot with AAA102729 (CD146, MCAM antibody) at dilution of 1:1000



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using AAA102729 (CD146, MCAM Antibody) at dilution of 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-CD146/MCAM antibody	CD146, also known as melanoma cell adhesion molecule (MCAM) or MUC18, originally identified as a biomarker of melanoma progression, is a transmembrane glycoprotein belonging to the immunoglobulin (Ig) superfamily (PMID: 8378324). Structurally, it consists of five Ig domains, a transmembrane domain, and a cytoplasmic region. In normal adult tissue, CD146 is primarily expressed by vascular endothelium and smooth muscle. CD146 is a key cell adhesion protein in vascular endothelial cell activity and angiogenesis, and has been used as marker of circulating endothelium cells (CECs) (PMID: 19356677).
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P43121
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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/cd146-mcam-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/102729>