MCAM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MCAM, Polyclonal Antibody
Full Product Name	MCAM Rabbit pAb
Product Gene Name	anti-MCAM antibody
Product Synonym Names	CD146; MUC18; HEMCAM; METCAM; MelCAM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	120kDa
OMIM	155735
3D Structure	ModBase 3D Structure for P43121
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 447-646 of human MCAM (NP_006491.2).
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MCAM antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MCAM antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-MCAM antibody	Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.
Other Notes	Small volumes of anti-MCAM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MCAM purchase	MBS8549261 is an antibody targeting MCAM. Also known as MCAM Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MCAM. It may not necessarily be applicable to this product.

NCBI GI #	85681878

NCBI Accession #	P43121.2
UniProt Primary Accession #	P43121
NCBI Official Full Name	Cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Synonym Protein Names	Cell surface glycoprotein P1H12; Melanoma cell adhesion molecule; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; S-endo 1 endothelial-associated antigen; CD_antigen: CD146
Protein Family	Cell surface glycoprotein
UniProt Gene Name	MCAM
UniProt Synonym Gene Names	MUC18
UniProt Entry Name	MUC18_HUMAN
UniProt Comments for MCAM	MCAM: Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: extracellular space; focal adhesion; integral to membrane; plasma membrane; nucleus; external side of plasma membrane Biological Process: anatomical structure morphogenesis; glomerular filtration; angiogenesis; cell adhesion; positive regulation of cell migration
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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