Mouse anti-Human MUC18 /CD146 / MCAM (Melanoma Cell Adhesion Molecule) Monoclonal Antibody | anti-MCAM antibody

MUC18 /CD146 / MCAM (Melanoma Cell Adhesion Molecule) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62842	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

MUC18 /CD146 / MCAM (Melanoma Cell Adhesion Molecule); Monoclonal Antibody; MUC18 /CD146 / MCAM (Melanoma Cell Adhesion Molecule) Mouse Monoclonal Antibody; Cell Surface Glycoprotein MUC18; Cell Surface Glycoprotein P1H12; Gicerin; Melanoma Adhesion Molecule (MCAM); Melanoma Associated Glycoprotein MUC18; Melanoma Cell Adhesion Molecule; Melanoma-associated Antigen A32; Mel-CAM; S-endo 1 Endothelial-associated Antigen; Sendo1; anti-MCAM antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MCAM/1101
Specificity	The human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated MCAM, MUC 18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca2+-independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the neuroectodermal lineage, but not normal melanocytes. Mel-CAM is found on 80% of advanced primary human melanomas and correlates well with development of metastatic disease.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	646
Applicable Applications for anti-MCAM antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Recombinant human MCAM protein
Hu-Chromosome Location	11q23.3
Positive Control	A-375, HUV-EC or HeLa Cells. Tonsil or Melanoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemisry)
Formalin-fixed, paraffin-embedded human Tonsil stained with MCAM Monoclonal Antibody (MCAM/1101



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Monoclonal Antibody (MCAM/1101



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with MCAM Monoclonal Antibody (MCAM/1101

ADDITIONAL INFORMATION

References	Pruszak J et al. Stem Cells 25:2257-68 (2007

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274107
NCBI GeneID	4162
NCBI Accession #	NP_006491.2
NCBI GenBank Nucleotide #	NM_006500.2
UniProt Accession #	P43121; O95812; Q59E86; Q6PHR3; Q6ZTR2
Molecular Weight	130kDa
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	MCAM
NCBI Official Synonym Symbols	CD146; MUC18
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	**MCAM**
UniProt Synonym Gene Names	MUC18
UniProt Entry Name	MUC18_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/muc18-cd146-mcam-melanoma-cell-adhesion-molecule-antibody-clone-mcam-1101-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62842