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Datasheet for ABIN7520319
MCAM Protein (His tag)

Overview

Quantity:	100 µg
Target:	MCAM
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCAM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MCAM/CD146 Protein
Sequence:	VPGEAEQPAP ELVEVEVGST ALLKCGLSQS QGNLSHVDWF SVHKEKRTL I FRVRQGGQS EPGEYEQRLS LQDRGATLAL TQVTPQDERI FLCQGKRPRS QEYRIQLRVY KAPEEPNIQV NPLGIPVNSK EPEEVATCVG RNYGPIQVI WYKNGRPLKE EKNRVHIQSS QTVESSGLYT LQSILKAQLV KEDKDAQFVC ELNYRLPSGN HMKESREVTV PVFYPTEKVV LEVEPVGMLK EGDRVEIRCL ADGNPPPHFS ISKQNPSTRE AEEETTNDNG VLVLEPARKE HSGRYECQGL DLDTMISLLS EPQELLVNYV SDVRVSPAAP ERQEGSSLTL TCEAESSQDL EFQWLREETG QVLERGPVLQ LHDLKREAGG GYRCVASVPS IPGLNRTQLV NVAIFGPPWM AFKERKVVWK ENMVLNLSCE ASGHRPTIS WNVNGTASEQ DQDPQRVLST LNVLVTPPELL ETGVECTASN DLGKNTSILF LELVNLTTLT PDSNTTTGLS TSTASPHTRA NSTSTERKLP EPESRG
Specificity:	Val24-Gly559
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level: < 0.1 EU/µg of the protein by LAL method.

Target Details

Target: MCAM

Alternative Name: MCAM/CD146 ([MCAM Products](#))

Background: Description: 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.
Name: CD146, MUC18,MCAM, CD146, cell surface glycoprotein MUC18,MUC18

Gene ID: 4162

UniProt: [P43121](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.