

Product datasheet for PH308937

CD146 (MCAM) (NM_006500) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MCAM MS Standard C13 and N15-labeled recombinant protein (NP_006491)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208937
Predicted MW:	71.4 kDa
Protein Sequence:	>RC208937 representing NM_006500 Red=Cloning site Green=Tags(s)

MGLPRLVCAFLLAACCCPRVAGVPGEAEQPAPELVEVEVGSTALLKCGLSQSQGNLSHVDWFSVHKEKR
TLIFRVRQGGQSEPGEYEQRLSLQDRGATLAL TQVTPQDERIFLCQGKRPRSQEYRIQLRVYKAPPEPN
IQVNPLGIPVNSKEPEEVATCVGRNGYP IPQVIWYKNGRPLKEEKNRVHIQSSQTVESSGLYTLQSIKKA
QLVKEDKDAQFYCELNYRLPSGNHMKESREVTVPVFPYPTKEVWLEVEPVGMLKEGDRVEIRCLADGNPPP
HFSISKQNPSTREAEETNDNGVLVLEPARKEHSGRYECQGLDLDTMISLLSEPPQELLVNYVSDVRVSP
AAPERQEGSSLTLTCEAESSQDLEFQWLREETGQVLERGPVQLHDLKREAGGGYRCVASVPSIPGLNRT
QLVNVAIFGPPWMAFKERKVVVKENMVLNLSCEASGHPRPTISWNVNGTASEQDQDPQRVLSTLNLVLP
ELLETVGECTASNDLGKNTSILFLELVNLTTLPDSNTTGLSTSTASPHTRANSTSTERKLPEPESRGV
VIVAVIVCILVLAVALGAVLYFLYKKGKLP CRRSGKQEITLPPSRKSELVVEVKS DKLPEEMGLLQGS SGGD
KRAPGDQGEKYIDLRH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006491
RefSeq Size:	3332



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RefSeq ORF: 1938

Synonyms: CD146; HEMCAM; MeICAM; METCAM; MUC18

Locus ID: 4162

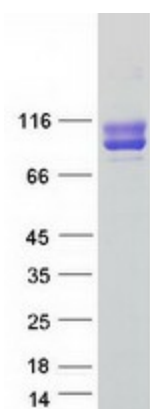
UniProt ID: [P43121](#), [A0A024R3I5](#)

Cytogenetics: 11q23.3

Summary: 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.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Product images:



Coomassie blue staining of purified MCAM protein (Cat# [TP308937]). The protein was produced from HEK293T cells transfected with MCAM cDNA clone (Cat# [RC208937]) using MegaTran 2.0 (Cat# [TT210002]).