

Recombinant human CD146/MCAM protein

Catalog Number: ATGP3715

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-559aa

UniProt No.

P43121

NCBI Accession No.

NP_006491

Alternative Names

Melanoma cell adhesion molecule, Cell surface glycoprotein MUC18, Cell surface glycoprotein P1H12, Melanoma-associated antigen A32, Gicerin, Melanoma-associated antigen MUC18, MUC18, S-endo 1 endothelial-associated antigen, CD146, MelCAM, METCAM, HEMCAM

PRODUCT SPECIFICATION

Molecular Weight

61kDa (547aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

MCAM, also known as cell surface glycoprotein MUC18, is an integral membrane glycoprotein belonging to the immunoglobulin superfamily. It is associated with various carcinomas such as tumor progression, metastasis and

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may be involved in embryonic neural development. This protein also plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Recombinant human MCAM protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

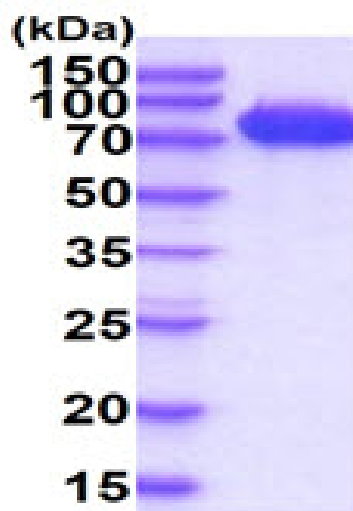
VPGEAEQPAP ELVEVEVGST ALLKCGLSQS QGNLSHVDWF SVHKEKRTLI FRVRQGQGQS EPGEYEQRLS LQDRGATLAL
TQVTPQDERI FLCQGKRPRS QEYRIQLRVY KAPEEPNIQV NPLGIPVNSK EPEEVATCVG RNYGPIQVI WYKNGRPLKE
EKNRVHIQSS QTVESGLYT LQSILKAQLV KEDKDAQFYC ELNYRLPSGN HMKESRETV PVFYPTEKVV LEVEPVGMLK
EGDRVEIRCL ADGNPPPHFS ISKQNPSTRE AEEETTNDNG VLVLEPARKE HSGRYECQGL DLDTMISLLS EPQELLVNYV
SDVRVSPAAP ERQEGSSLTL TCEAESSQDL EFQWLREETG QVLERGPVLQ LHDLKREAGG GYRCVASVPS IPGLNRTQLV
NVAIFGPPWM AFKERKVWVK ENMVLNLSCE ASGHPRTIS WNVNGTASEQ DQDPQRVLST LNVLVTPPELL ETGVECTASN
DLGKNTSILF LELVNLTTLT PDSNTTTGLS TSTASPHTRA NSTSTERKLP EPESRGAAAL EHHHHHH

General References

Dagur PK., et al, (2014) Clin Immunol. 152:36-47.
Wragg JW., et al, (2016) Cancer Res. 76:2314-2326.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)