

## 32-13314: MCAM Human

### Alternative Name :

Cell surface glycoprotein MUC18, Cell surface glycoprotein P1H12, Melanoma cell adhesion molecule, Melanoma-associated antigen A32, Melanoma-associated antigen MUC18, S-endo 1 endothelial-associated antigen, CD146, MCAM, MUC18, Cell Surface Glycoprotein MUC18, Melanoma Adhesion Molecule, CD146 Antigen, CD146, Melanoma Cell Adhesion Molecule, S-Endo 1 Endothelial-Associated Antigen, Melanoma-Associated Antigen MUC18, Cell Surface Glycoprotein P1H12, Melanoma-Associated Antigen A32, Gicerin.

### Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

Cell surface glycoprotein MUC18 (MCAM), is an integral membrane glycoprotein which is part of the immunoglobulin superfamily. MCAM is related with a variety of carcinomas such as tumor progression, metastasis and is also implicated in embryonic neural development. In Addition, MCAM takes part in cell adhesion, as well as in cohesion of the endothelial monolayer at the intercellular junctions in vascular tissue.

MCAM produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 547 amino acids (24-559 a.a.) and having a molecular mass of 61.0kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). MCAM is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** MCAM protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** VPGEAEQPAP ELVEVEVGST ALLKCGLSQS QGNLSHVDWF SVHKEKRTLI FRVRQGQGQS EPGYEQRSL LQDRGATLAL TQVTPQDERI FLCQGKRPRS QEYRIQLRVY KAPEEPNIQV NPLGIPVNSK EPEEVATCVG RNGYPIQVI WYKNGRPLKE EKNRVHIQSS QTVESSGLYT LQSILKAQLV KEDKDAQFYC ELNYRLPSGN HMKESREVTV PVFYPTKEVW LEVEPVGMLK EGDRVEIRCL ADGNPPPHFS ISKQNPSTRE AEEETTNDNG VLVLEPARKE HSGRYECQGL DLDTMISLLS EPQELLVNYV SDVRVSPAAP ERQEGSSSLT TCEAESSQDL EFQWLREETG QVLERGPVLQ LHDLKREAGG GYRCVASVPS IPGLNRTQLV NVAIFGPPWM AFKERKVWVK ENMVLNLSCE ASGHPRTIS WNVNGTASEQ DQDPQRLST LNVLVTPPELL ETGVECTASN DLGKNTSILF LELVNLTTLT PDSNTTTGLS TSTASPHTRA NSTSTERKLP EPESRGAAAL EHHHHHHH.