
Product Data Sheet

Product Name: MCAM Human
 Cat. No.: GP23898
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms
 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.

Amino Acid Sequence
 VPGAEQPAP ELVEVEVGST ALLKCGLSQS QGNLSHVDWF SVHKEKRTL
 FRVRQGQGQS EPGYEQRSL LQDRGATLAL TQVTPQDERI FLCQGKRPRS
 QEYRIQLRVY KAPEEPNIQV NPLGIPVNSK EPEEVATCVG RNYPIPVQVI
 WYKNGRPLKE EKNRVHIQSS QTVESSGLYT LQSILKAQLV KEDKDAQFYC
 ELNYRLPSGN HMKESREVTV PVFYPTKVV 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
 PDSNTTGLS TSTASPHTRA NSTSTERKLP EPESRGAAAL EHHHHHH.

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

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

Stability

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.

Background

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.

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