

Recombinant Human Melanoma Cell Adhesion Molecule

Cat. No. MCAM-2391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Melanoma Cell Adhesion Molecule(aa 433-647) is expressed in <i>E.coli</i> . MW=47kDa.
Species	Human
Source	E.coli
ProteinLength	433-647 a.a.
Description	CD146 belongs to the immunoglobulin supergene family with five immunoglobulin like domains (V-V-C2-C2-C2), a transmembrane region and a 63 residue cytoplasmic tail. The protein is a membrane glycoprotein that functions as a Ca ²⁺ independent cell adhesion molecule involved in heterophilic cell to cell interactions. CD146 has a molecular size of 130 kDa in its reduced form (118 kDa unreduced), and N linked glycosylation accounts for fifty percent of the apparent molecular weight. In some cells the molecule carries a sulfate 3 glucuronyl moiety.
Presentation	100µl purified human CD146 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 47kDa including GST.

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Storage

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

MCAM melanoma cell adhesion molecule [Homo sapiens]

Synonyms

MCAM; melanoma cell adhesion molecule; CD146; MUC18; Gicerin; melanoma adhesion molecule; Cell surface glycoprotein MUC18; Melanoma-associated antigen MUC18; Melanoma cell adhesion molecule; Melanoma-associated antigen A32; S-endo 1 endothelial-associated antigen; Cell surface glycoprotein P1H12; S-endo 1 endothelial-associated antigen; Cell surface glycoprotein P1H12

Gene ID

4162

mRNA Refseq

NM_006500

Protein Refseq

NP_006491

MIM

155735

UniProt ID

P43121

**Chromosome
Location**

11q23.3

Function

protein binding

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