

Product Data Sheet

Product Name: ALCAM (CD166) Human

Cat. No.: GP22701

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Activated Leukocyte Cell Adhesion Molecule; CD166 Antigen; MEMD; Activated Leucocyte Cell Adhesion Molecule; CD166; ALCAM.		
Amino Acid Sequence	<p>ADPWYTVNSA YGDTIIIPCR LDVPQNL MFG KWKYEKPDGS PVFIAFRSST KKSVMQYDDVP EYKDRNLSE NYTSLISNAR ISDEKRFVCM LVTEDNVFEA PTIVKVKFKQP SKPEIVSKAL FLETEQLKKL GDCISEDSPY DGNITWYRNG KVLHPLEGAV VIIFKKEMDP VTQLYTMTSTLEYKTTKADI QMPFTCSVTY YGPSGQKTIH SEQAVFDIYY PTEQVTIQVL PPKNAIKEGD NITLKCLGNG NPPPEEFLFY LPGQPEGIRS SNTYTLTDVR RNATGDYKCS LIDKKSMIAS TAITVHYLDL SLNPSGEVTR QIGDALPVSC TISASRNATV VWMKDNIRLR SSPSFSSLHYQDAGNYVCET ALQEVEGLKK RESLTLIVEG KPQIKMTKKT DPSGLSKTII CHVEGFPKPA IQWTITGSGS VINQTEESPY INGRYYSKII ISPEENVTLT CTAENQLERT VNLSLNV SANE NREKVNDQAK LIVGIVVGLL LAALEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTLMISRTPVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQOPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEALHNHYTQKSL SLSPGKHHHH HH.</p>		
Formulation	CD166 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

CD166 antigen isoform 2 (ALCAM) is a type 1 membrane glycoprotein and belongs to the immunoglobulin superfamily. ALCAM is expressed on thymic epithelium, microvascular endothelium, activated lymphocytes and monocytes, and monocyte-derived dendritic cells. CD166 and CD6 interaction plays a role in T cell development and T cell regulation,

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

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as well as in the binding of T cells and B cells to activated leukocytes.

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

ALCAM Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 742 amino acids (28-527a.a.) and having a molecular mass of 83.1kDa (Molecular size on SDS-PAGE will appear at approximately 70-100 kDa). CD166 is expressed with a 239 amino acid hlgGHis tag at C-Terminus and purified by proprietary chromatographic techniques.

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