

---

**Product Data Sheet**


---

Product Name: ALCAM (CD166) Mouse  
 Cat. No.: GP26202  
 Batch No.: 1

**Product Data**

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms Activated leukocyte cell adhesion molecule, ALCAM, Alcam, CD166 antigen, CD166 antigen isoform1, CD166, Protein DM-GRASP, AI853494 Protein, MuSC, SC1, BEN.

Amino Acid Sequence  
 WYTVNSAYGD TIVMPCRLDV PQNLMFGKWK YEKPDGSPVF IAFRSSTKKS  
 VQYDDVPEYK DRLSLSENYT LSIANAKISD EKRFVCMVLT EDNVFEAPTL  
 VKVFKQPSKP EIVNKAPFLE TDQLKKLGDC ISRDSYDPGN ITWYRNGKVL  
 QPVEGEVAIL FKKEIDPGTQ LYTVTSSLEY KTTRSDIQMP FTCSVTYYGP  
 SGQKTIYSEQ EIFDIYYPTE QVTIQVLPK NAIKEGDNITLQCLGNGNPP  
 PEEFMFYLPG QPEGIRSSNT YTLTDVRRNA TGDYKCSLID KRNMAASTTI  
 TVHYLDLSLN PSGEVTQIG DTLPVSCTIS ASRNATVWWM KDNIRLRSSP  
 SFSSLHYQDA GNYVCETALQ EVEGLKKRES LTLIVEGKPQ IKMTKKTDP  
 GLSKTIICHV EGFPKPAIHW TITGSGSVIN QTEESPYING RYYSKIIISP  
 EENVTLTCTA ENQLERTVNS LNVSAISIPEHDEADDISDE NREKVNDAQ  
 LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV  
 DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL  
 NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS  
 LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK  
 SRWQQGNVFS CSVMHEALHNHYTQKSLSLS PGK HHHHHH

Formulation ALCAM protein solution (0.25mg/ml) contains 50% glycerol and Phosphate-Buffered Saline (pH 7.4).

**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

**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

---

---

## Product Data Sheet

---

cells. CD166 and CD6 interaction plays a role in T cell development and T cell regulation, as well as in the binding of T cells and B cells to activated leukocytes.

### Biological Activity

Measured by its ability to block the adhesion of Jurkat human acute T cell leukemia cells to immobilized Recombinant Human CD6. When cells are added to 1 ug/ml of mouse ALCAM binded to CD6, this effect is more to 50%.

### 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 mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 739 amino acids (28-527a.a.) and having a molecular mass of 83.1kDa. ALCAM is expressed with a 239 amino acid hlgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

**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**