

ALCAM (CD166) Human

*Activated Leukocyte Cell Adhesion Molecule (CD166) Human Recombinant
CDA0001*

Product Overview

Name ALCAM (CD166) Human

Description

Activated Leukocyte Cell Adhesion Molecule (CD166) Human Recombinant

Accession (Primary) [Q13740](#)

Synonyms

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

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

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

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

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

WYTVNSAYGD TIVMPCRLDV PQNLMFGKWK YEKPDKSPVF IAFRSSTKKS VQYDDVPEYK DRLSLSENYT
LSIANAKISD EKRFVCMLVT EDNVFEAPTL VKVFKQPSKP EIVNKAPFLE TDQLKKLGDC ISRDSYPDGN
ITWYRNGKVL QPVEGEVAIL FKKEIDPGTQ LYTVTSSLEY KTTRSDIQMP FTCSVTVYGP SGQKTIYSEQ
EIFDIYYPTF QVTIQVLPPK NAIKEGDNIT LQCLGNGNPP PEEFMFYLPG QPEGIRSSNT YTLTDVRRNA

TGDYKCSLID KRNMAASTTI TVHYLDLSLN PSGEVTKQIG DTLPVSCTIS ASRNATVWVM KDNIRLRSSP
SFSSLHYQDA GNYVCETALQ EVEGLKKRES LTLIVEGKPQ IKMTKKTDPS GLSKTIICHV EGFPKPAIHW
TITGSGSVIN QTEESPYING RYYSKIISP EENVTLTCTA ENQLERTVNS LNVAISIPE HDEADDISDE
NREKVNDQAK LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK
FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR
EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK
SRWQQGNVFS CSVMHEALHN HYTQKSLSL PGK HHHHHH

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%.

Precautions

ALCAM (CD166) Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([Q13740](#))