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32-13712: ALCAM (CD166) Mouse

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

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

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivityMeasured 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%.
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.
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 hIgG-His-Tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Storage condition : 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.

Amino Acid : WYTVNSAYGD TIVMPCRLDV PQNLMFGKWK YEKPDGSPVF IAFRSSTKKS VQYDDVPEYK DRLSLSENYT LSIANAKISD EKRFVCMLVT EDNVFEAPTL VKVFKQPSKP EIVNKAPFLE TDQLKKLGDC ISRDSYPDGN ITWYRNGKVL QPVEGEVAIL FKKEIDPGTQ LYTVTSSLEY KTTRSDIQMP FTCSVTYYGP SGQKTIYSEQ EIFDIYYPTE QVTIQVLPPK NAIKEGDNITLQCLGNGNPP PEEFMFYLPG QPEGIRSSNT YTLTDVRRNA TGDYKCSLID KRNMAASTTI TVHYLDLSLN PSGEVTKQIG DTLPVSCTIS ASRNATVVWM KDNIRLRSSP SFSSLHYQDA GNYVCETALQ EVEGLKKRES LTLIVEGKPQ IKMTKKTDPS GLSKTIICHV EGFPKPAIHW TITGSGSVIN QTEESPYING RYYSKIIISP EENVTLTCTA ENQLERTVNS LNVSAISIPEHDEADDISDE NREKVNDQAK LEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGK HHHHHH