



Catalog Number: PR27202

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: ADPWYTVNSA YGDTIIIPCR LDVPQNLNMFQ KWKYEKPDGS PVFIAFRSST KKSQYDDVP
EYKDRNLNLS NYTLNISNAR ISDEKRFVCM LVTEDNVFEA PTIVKVFQKP SKPEIVSKAL
FLETEQLKKL GDCISEDSYP DGNITWYRNG KVLHPLEGAV VIFKKEMDP VTQLYTMST
LEYKTTKADI QMPFTCSVTY YGPGSQKTIH SEQAVFDIYY PTEQVTIQVL PPKNAIKEGD
NITLKCLGNG NPPPEEFLFY LPGQPEGIRS SNTYTLTDVR RNATGDYKCS LIDKKSMAIS
TAITVHYLDL SLNPSGEVTR QIGDALPVSC TISASRNATV VWMKDNIRLR SSPSFSSLHY
QDAGNYVCET ALQVEGLKK RESLTLIVEG KPQIKMTKKT DPSGLSKTII CHVEGFPKPA
IQWTITGSGS VINQTEESPY INGRYYSKII ISPEENVTLT CTAENQLERT VNSLNVSANE
NREKVNDQAK LIVGIVVGLL LAALPKSCD KTHTCPPCA PELLGGPSVF LFPPKPKDTL
MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ
DWLNQKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG
FYPSDIAVEW ESNQGPENNY KTTTPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMEHA
LHNHYTQKSL SLSPGKHHHH HH.

Description/Molecular Mass: 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 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.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD166 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage: 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.

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