Recombinant human ALCAM/CD166 protein

Catalog Number: ATGP3516

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
28-527aa

UniProt No.
Q13740

NCBI Accession No.
NP_001230209

Alternative Names
CD166 antigen isoform 2, ALCAM, CD166, MEMD

PRODUCT SPECIFICATION

Molecular Weight
83.1 kDa (742aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
hIgG-His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ALCAM, as known as CD166 antigen isoform 2, is a type 1 membrane glycoprotein and a member of the immunoglobulin superfamily. It is expressed on thymic epithelium, microvascular endothelium, activated lymphocytes and monocytes, and monocyte-derived dendritic cells. This protein 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

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leukocytes. Recombinant human ALCAM, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

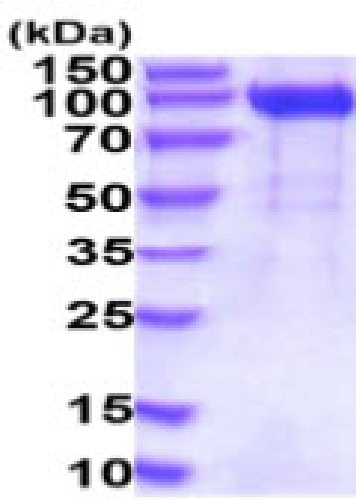
ADPWYTVNSA YGDTIIIPCR LDVPQNLMFG KWKYEKPDGS PVFIAFRSST KKSVQYDDVP EYKDRLNLSE NYTLSISNAR ISDEKRFVCM LVTEDNVFEA PTIVKVFKQP SKPEIVSKAL FLETEQLKKL GDCISEDSYP DGNITWYRNG KVLHPLEGAV VIIFKKEMDP VTQLYTMTST LEYKTTKADI QMPFTCSVTY YGPSGQKTIH SEQAVFDIYY PTEQVTIQVL PPKNAIKEGD NITLKCLGNG NPPPEEFLFY LPGQPEGIRS SNTYTLTDVR RNATGDYKCS LIDKKSMIAS TAITVHYLDL SLNPSGEVTR QIGDALPVSC TISASRNATV VWMKDNIRLR SSPSFSSLHY QDAGNYVCET ALQEVEGLKK RESLTLIVEG KPQIKMTKKT DPSGLSKTII CHVEGFPKPA IQWTITGSGS VINQTEESPY INGRYYSKII ISPEENVTLT CTAENQLERT VNSLNVSANE NREKVNDQAK LIVGIVVGLL LAALEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

General References

Donizy P., et al, (2015) Diagn Pathol. 10:86.
Tang X., et al, (2015) Cell. Signal. 27:1694-1702.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.