

# 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

# Recombinant human ALCAM/CD166 protein

Catalog Number: ATGP3516

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

## Amino acid Sequence

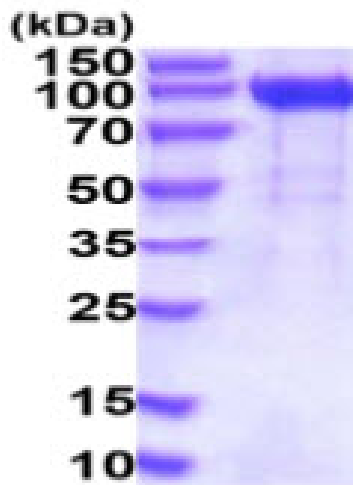
ADPWYTVNSA YGDTIIIPCR LDVPQNL MFG KWKYEKPDGS PVFIAFRSST KKSVMQYDDVP EYKDRNLSE NYTSLISNAR  
ISDEKRFVCM LVTEDNVFEA PTIVKVKFQK SKPEIVSKAL FLETEQLKKL GDCISEDSYP DGNITWYRNG KVLHPLEGAV  
VIIFKEMDP VTQLYTMTST LEYKTTKADI QMPFTCSVTY YGPGSQKTIH SEQAVFDIYY PTEQVTIQVL PPKNAIKEGD  
NITLKCLGNG NPPPEEFLFY LPGQPEGIRS SNTYTLTDVR RNATGDYKCS LIDKKS MIAS TAITVHYLDL SLNPSGEVTR  
QIGDALPVSC TISASRNATV VWMKDNIRLR SSPFSLLHY QDAGNYVCET ALQEVEGLKK RESLTLIVEG KPQIKMTKKT  
DPSGLSKTII CHVEGFPKPA IQWTITGSGS VINQTEESPY INGRYYSKII ISPEENVTLT CTAENQLERT VNSLNVSANE  
NREKVNDAQK LIVGIVVGLL LAALEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP  
EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL  
PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNY 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



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

15% SDS-PAGE (3ug)