

Recombinant mouse VCAM-1/CD106 protein

Catalog Number: ATGP3246

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-698aa

UniProt No.

Q3UPN1

NCBI Accession No.

NP_035823

Alternative Names

CD106, Vascular cell adhesion protein 1, Vcam-1

PRODUCT SPECIFICATION

Molecular Weight

75.4 kDa (682aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Biological Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 Human histiocytic lymphoma cells. When cells are added to VCAM1 coated plates 10ug/ml. This effect is more to 60%.

Tag

His-Tag

Application

SDS-PAGE, Bioactivity

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

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Description

VCAM1, also known as vascular cell adhesion protein 1, is a receptor for encephalomyocarditis virus on murine vascular endothelial cells. It has been identified as a receptor for the D variant of encephalomyocarditis (EMC-D) virus on vascular endothelial cells from the heart. Recombinant mouse VCAM1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

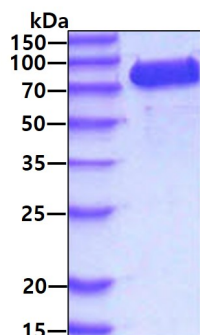
FKIEISPEYK TIAQIGDSMA LTCSTTGCEs PLFSWRTQID SPLNAKVRTE GSKSVLTMEP VSFENEHSYL CTATCGSGKL
 ERSIHVDIYS FPKDPEIQFS GPLEVGKPVV VKCLAPDIYP VYRLEIDLFK GDQLMNRQEF SSEEMTKSLE TKSLEVTFTP
 VIEDIGKALV CRAKLHIDQI DSTLKERETV KELQVYISPR NTTISVHPST RLQEGGAVTM TCSSEGLPAP EIFWGRKLDN
 EVLQLLSGNA TLTLIAMRME DSGVYVCEGV NLIQRDKAEV ELVVQEKPFV VDISPGSQVA AQVGDSVVLV CAAIGCDSPS
 FSWRTQTDSP LNGVVRNEGA KSTLVLSVSG FEDEHSYLCA VTCLQRTLEK RTQVEVYSFP EDPVIKMSGP LVHGRPVTVN
 CTVPNVYVYFD HLEIELLKGE TTLMKKYFLE EMGIKSLETK ILETTFIPTI EDTGKSLVCL ARLHSGEMES EPKQRQSVQP
 LYVNVAPKET TIWVSPSPIL EEGSPVNLTC SSDGIPAPKI LWSRQLNNGE LQPLSENTTL TFMSTKRDDS GIYVCEGINE
 AGISRKSVEL IIQVSPKDIQ LTVFPSKSVK EGDVVIISCT CGNVPETWII LKKKAKTGDM VLKSVVDSYV IRQAQLQDAG
 IYECESKTEV GSQRLSLTLD VKGKEHNKKNY FSPE<LEHHHH HH>

General References

Huber SA., et al. (1994) J Virol. 68:3453-3458.
 Preiss DJ., et al. (2007) Int J Clin Pract. 61(4): 697-701.

DATA

SDS-PAGE



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