

Recombinant Mouse Vcam1 protein, His-tagged

Cat. No. Vcam1-188M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse VCAM1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	75.4kDa (682aa)70-100kDa (SDS-PAGE under reducing conditions)
AA Sequence	FKIEISPEYK TIAQIGDSMA LTCSTTGCEs PLFSWRTQID SPLNAKVRTE GSKSVLTMEP VSFENEHSYL CTATCGSGKL ERSIHVDIYS FPKDPEIQFSGPLEVGKPVV VKCLAPDIYP VYRLEIDLK GDQLMNRQEF SSEEMTKSLE TKSLEVTFTP VIEDIGKALV CRAKLHIDQI DSTLKERETV KELQVYISPRNTTISVHPST RLQEGGAVTM TCSSEGLPAP EIFWGRKLDN EVLQLLSGNA TLTLIAMRME DSGVYVCEGV NLIGRDKAEV ELVVQEKPI VDISPGSQVAAQVGDSVLT CAAIGCDSPS FSWRTQTDSP LNGVVRNEGA KSTLVLSVG FEDEHSYLCA VTCLQRTLEK RTQVEVYSFP EDPVIKMSGP LVHGRPVTVNCTVPNVYPFD HLEIELLKGE TTLMKKYFLE EMGIKSLETK

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ILETTFIPTI EDTGKSLVCL ARLHSGEMES EPKQRQSVQP LYVNVAPKET
 TIWVSPSPILEEGSPVNLTC SSDGIPAPKI LWSRQLNNGE LQPLSENTTL
 TFMSTKRDDS GIYVCEGINE AGISRKSVEL IIQVSPKDIQ LTVFPSKSVK
 EGDTVIISCTCGNVPETWII LKKKAKTGDM VLKSVDGSYT IRQAQLQDAG
 IYECESKTEV GSQLRSLTLD VKGKEHNKNY FSPELEHHHH HH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity > 95% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [Vcam1 vascular cell adhesion molecule 1 \[Mus musculus \]](#)

Official Symbol [Vcam1](#)

Synonyms Vcam1; vascular cell adhesion molecule 1; CD106; Vcam-1

Gene ID [22329](#)

mRNA Refseq [NM_011693](#)

Protein Refseq [NP_035823](#)

MIM

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UniProt ID	P29533
Chromosome Location	3 G1; 3 50.8 cM
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration
Function	protein binding

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