

## 32-9019: Recombinant Mouse Vascular Cell Adhesion Molecule 1/VCAM-1/CD106 (C-Fc)(Discontinued)

**Gene :** Vcam1  
**Uniprot ID :** P29533

### Description

Source: Human Cells.  
MW :101.4kD.

Recombinant Mouse Vascular Cell Adhesion Molecule 1 is produced by our Mammalian expression system and the target gene encoding Phe25-Glu698 is expressed with a Fc tag at the C-terminus. Vascular cell adhesion molecule 1 (VCAM-1) is a cell surface protein belonging to the immunoglobulin superfamily, the protein is expressed by activated endothelial cells and certain leukocytes (such as macrophages). IL-1 beta, IL-4, TNF-alpha and IFN-gamma induced the expression of VCAM-1. The human and mouse VCAM-1 proteins share approximately 76% amino acid similarity. Mouse VCAM-1 is Important in cell-cell recognition. it appears to function in leukocyte-endothelial cell adhesion, and interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** FKIEISPEYKTIAIQIGDSMALTCSTTGCESPFLSWRTQIDSPLNAKVRTEGSKSVLTMPEVSVFENEHSYLCTATCG SGKLESIHVDIYSFPKDPEIQFSGPLEVGKPVTVKCLAPDIYPVYRLEIDLFGDQLMNRQEFSSSEMTKSLETKS LEVTFPTVIEDIGKALVCRACLHIDQIDSTLKERETVKELQVYISPRNTTISVHPSTRLQEGGAVTMTCSSEGLPAP EIFWGRKLDNEVLQLLSGNATLTIAMRMEDSGVYVCEGVNLIGRDKAEVELVVQEKPFIVDISPGSQVAAQVG DSVVLTCAAIGCDSPFSWRTQTDSPNGVVRNEGAKSTLVSSVGFEDHSYLCVAVTCLQRTLEKRTQVEVYS FPEDPVIKMSGPLVHGRPVTVNCTVNVYFPDHLIEILLKGETTLMKKYFLEEMGIKSLETKILETTFIPTIEDTGKS LVCLARLHSGEMESEPKQRQSVQPLYVNVAPKETTIVVSPPILEEGSPVNLTCSSDGIPAPKILWSRQLNNGEL QPLSENTTLTFMSTKRDDSGIYVCEGINEAGISRSVELIIQVSPKDIQLTVFPSKSVKEGDTVIISCTCGNVPETWI ILKKKAKTGDMVLKSVVDGYSYIRQAQLQDAGIYECESKTEVGSQRLSLTLDVKGKEHNKDYFSPEVDDIEGRMD EPKSCDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHY TQKLSLSLSPGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.