

Active Recombinant Mouse Vcam1 protein, His-tagged

Cat. No. Vcam1-4012M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Vcam1 protein(NP_035823.3)(Met1-Glu698), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu698
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by the ability of the immobilized protein to support adhesion of U937 human histiocytic lymphoma cells. When 5 x 10E4 cells/well are added to mouse VCAM1 coated plates (10 µg/ml with 100 µl/well), approximately 70%-80% cells will adhere after 1 hour at RT.
Molecular Mass	The secreted recombinant mouse VCAM1 consists of 685 amino acids and has a predicted molecular mass of 75.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmVCAM1 is approximately 90-100 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Vcam1 vascular cell adhesion molecule 1 [Mus musculus]
Official Symbol	Vcam1
Synonyms	VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; V-CAM 1; CD106; Vcam-1;
Gene ID	22329
mRNA Refseq	NM_011693
Protein Refseq	NP_035823

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