

Active Recombinant Mouse Vcam1, His & hFc-tagged

Cat. No. Vcam1-1784M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Vcam1(Met 1-Glu 698)(NP_035823.3) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Glu 698
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by the ability of the immobilized protein to support adhesion of U937 human histiocytic lymphoma cells. When cells are added to VCAM1-coated plates (10 µg/ml, 100 µg/well), approximately >70% cells will adhere specifically.
Molecular Mass	The recombinant mouse VCAM1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 922 amino acids and has a predicted molecular mass of 102 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmVCAM1/Fc monomer is approximately 110-120 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90 % 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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