

Active Recombinant Human VCAM1 protein, Fc-tagged, APC labeled

Cat. No. VCAM1-71HA **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VCAM1 protein, Fc-tagged was Conjugated with NH2-Reactive APC(Allophycocyanin).
Species	Human
Source	HEK293
ProteinLength	Met 1-Pro 697
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 the adhesion of U937 human histiocytic lymphoma cells. When cells are added to VCAM1 coated plates (10 µg/mL, 100 µL/well) approximately > 70% cells will adhere after 1 hour of incubation at 37°C.
Molecular Mass	The recombinant human VCAM1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 911 amino acids and has a predicted molecular mass of 100.8 kDa. As a result of glycosylation, the rh VCAM1/Fc monomer migrates as an approximately 116.3 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
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.
Conjugation	APC

GENE INFORMATION

Gene Name	VCAM1 vascular cell adhesion molecule 1 [Homo sapiens]
Official Symbol	VCAM1
Synonyms	VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; CD106; CD106 antigen; INCAM-100; MGC99561; DKFZp779G2333;
Gene ID	7412
mRNA Refseq	NM_001078
Protein Refseq	NP_001069
MIM	192225
UniProt ID	P19320

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