

Active Recombinant Human VCAM1 protein, His-tagged

Cat. No. VCAM1-170H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VCAM1 protein(Phe25-Glu698), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-698 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10E4 cells/well are added to human VCAM1 coated plates (10 µg/mL with 100 µL/well), approximately 80%-90% cells will adhere after 1 hour at 37°C. 2. Measured by its binding ability in a functional ELISA. Immobilized APC anti-human CD106 Antibody at 1µg/mL (25 µL/well) can bind Human VCAM1 with a linear range of 0.46-16.9ng/mL.
Molecular Mass	74.23 kDa
Endotoxin	Please contact us for more information.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the

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date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

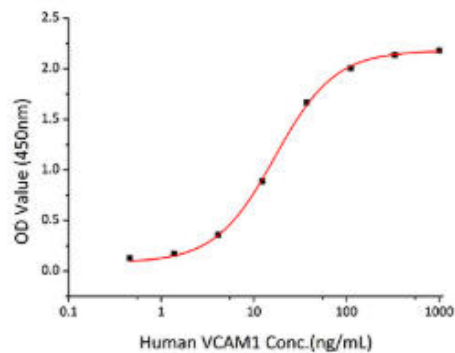
UniProt ID P19320

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Activity



SDS-PAGE

