

Active Recombinant Human VCAM1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human VCAM1(Phe25-Glu698) fused with His tag at the C-terminus was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	25-698 a.a.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10 ⁴ cells/well are added to human VCAM-1 coated plates (10 µg/mL with 100 µL/well), approximately 90-100% will adhere after 1 hour incubation at RT. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Predicted Molecular Mass: 101.6 (monomer) kDa; SDS-PAGE: 130-140 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

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

Chromosome Location 1p32-p31

Pathway Adaptive Immune System, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cell

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adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cellular roles of Anthrax toxin, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;

Function

cell adhesion molecule binding; cell adhesion molecule binding; integrin binding;

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