

## Active Recombinant Human VCAM1, HlgG1 Fc-tagged

Cat. No. VCAM1-1794M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human VCAM-1 (NP_001069.1) (Lys26-Glu698) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of arteriosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells.
<b>Molecular Mass</b>	100KDa (monomer)
<b>AA Sequence</b>	Lys26-Glu698
<b>Endotoxin</b>	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">

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<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	VCAM1 vascular cell adhesion molecule 1 [ Homo sapiens ]
<b>Official Symbol</b>	VCAM1
<b>Synonyms</b>	VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; CD106; CD106 antigen; INCAM-100; MGC99561; DKFZp779G2333;
<b>Gene ID</b>	7412
<b>mRNA Refseq</b>	NM_001078
<b>Protein Refseq</b>	NP_001069
<b>MIM</b>	192225
<b>UniProt ID</b>	P19320
<b>Chromosome Location</b>	1p32-p31
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; African trypanosomiasis,

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organism-specific biosystem; African trypanosomiasis, conserved biosystem; Cell 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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