

Recombinant Human VCAM1, His-tagged

Cat. No. VCAM1-31199TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 109-331 of Human VCAM1 with an amino-terminal hexahistidine tag; 203 amino acids, 25kDa.
Species	Human
Source	E.coli
ProteinLength	109-331 a.a.
Description	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 atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.
Conjugation	HIS
Tissue specificity	Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.
Form	Liquid
Storage buffer	Preservative: None Constituents: 1x Laemmli Buffer (2.5% Glycerol, 1% SDS, 0.1% Bromophenol blue, 50mM DTT, 25mM Tris HCl, pH 6.8)

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Storage	Store at -20°C. Stable for 12 months at -20°C
Sequence Similarities	Contains 7 Ig-like C2-type (immunoglobulin-like) domains.
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;
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 adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;
Function	cell adhesion molecule binding; cell adhesion molecule binding; integrin binding;

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