

Recombinant Human Vascular Cell Adhesion Molecule 1

Cat. No. VCAM1-1695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Vascular cell adhesion molecule 1, also known as VCAM1 is an immunoglobulin-like adhesion molecule expressed on activated endothelial cells. 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. VCAM-1 promotes the adhesion of lymphocytes, monocytes, eosinophils, and basophils.
Molecular Weight	The predicted molecular weight of Recombinant Human VCAM-1 is Mr 74 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 90-95 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to

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8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

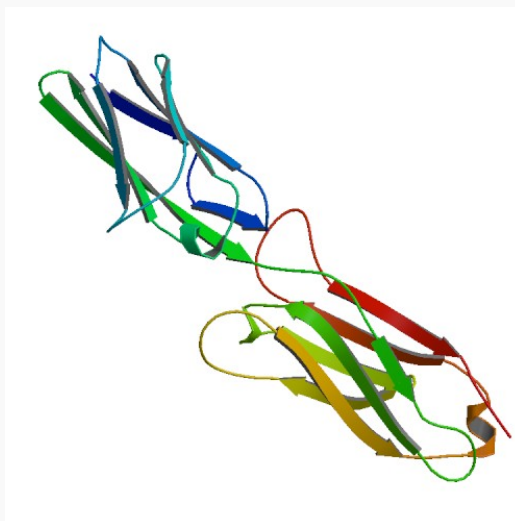
Gene Name	VCAM1 vascular cell adhesion molecule 1 [Homo sapiens]
Synonyms	VCAM1; vascular cell adhesion molecule 1; INCAM-100; Vascular cell adhesion protein 1 precursor; CD-106 antigen; CD106; DKFZp779G2333; MGC99561; vascular cell adhesion molecule 1; CD106 antigen; OTTHUMP00000012650; OTTHUMP00000012651; L1CAM; V-CAM 1
Gene ID	7412
mRNA Refseq	NM_001078
Protein Refseq	NP_001069
MIM	192225
UniProt ID	P19320
Chromosome Location	1p32-p31
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration; Signaling in Immune system
Function	integrin binding; protein binding

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