Active Recombinant Human VCAM1 Protein, hFc-tagged, FITC conjugated

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

SPECIFICATION

Product Overview	The FITC conjugated 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.
Species	Human
Source	CHO
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 artherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.
Form	Lyophilized
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells.
Molecular Mass	100 kDa (monomer)
AA Sequence	Lys26-Glu698

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.06 EU/ μg as determined by LAL test.
Purity	> 98 % by SDS-PAGE under reducing conditions.
Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
Stability	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Concentration	100 μg/mL
Storage Buffer	Lyophilized from 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Conjugation	FITC

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

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mRNA Refseq	NM_001078
Protein Refseq	NP_001069
MIM	192225
UniProt ID	P19320

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