

# Active Recombinant Human VCAM1 Protein, hFc-tagged, Alexa Fluor 555 conjugated

Cat. No. VCAM1-1794MAF555 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The Alexa Fluor 555 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.
<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
<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>	100 kDa (monomer)
<b>AA Sequence</b>	Lys26-Glu698

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<b>Endotoxin</b>	< 0.06 EU/ µg as determined by LAL test.
<b>Purity</b>	> 98 % by SDS-PAGE under reducing conditions.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
<b>Stability</b>	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.
<b>Concentration</b>	100 µg/mL
<b>Storage Buffer</b>	Lyophilized from 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.
<b>Conjugation</b>	Alexa Fluor 555

## 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

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<b>mRNA Refseq</b>	NM_001078
<b>Protein Refseq</b>	NP_001069
<b>MIM</b>	192225
<b>UniProt ID</b>	P19320

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