

## Active Recombinant Mouse VCAM1 Protein, MlgG2a mFc-tagged, Alexa Fluor 488 conjugated

Cat. No. VCAM1-1793MAF488 Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of mouse VCAM-1 (NP_035823.3) (Lys26-Glu698) (Alexa Fluor 488 conjugated) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
<b>Species</b>	Mouse
<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 atherosclerosis 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 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<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 488

## GENE INFORMATION

<b>Gene Name</b>	Vcam1 vascular cell adhesion molecule 1 [ Mus musculus ]
<b>Official Symbol</b>	VCAM1
<b>Synonyms</b>	VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; V-CAM 1; CD106; Vcam-1;
<b>Gene ID</b>	22329

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mRNA Refseq	NM_011693
Protein Refseq	NP_035823

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