

Active Recombinant Mouse VCAM1 Protein, MlgG2a mFc-tagged, Alexa Fluor 555 conjugated

Cat. No. VCAM1-1793MAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse VCAM-1 (NP_035823.3) (Lys26-Glu698) (Alexa Fluor 555 conjugated) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Mouse
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 atherosclerosis 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

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Endotoxin	< 0.06 EU/ µg as determined by LAL test.
Purity	> 98 % by SDS-PAGE under reducing conditions.
Characteristic	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.
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	Alexa Fluor 555

GENE INFORMATION

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

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mRNA Refseq	NM_011693
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Protein Refseq	NP_035823
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