Datasheet for ABIN1691618

ICAM1 Protein (AA 26-480) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	ICAM1
Protein Characteristics:	AA 26-480
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICAM1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Intercellular Adhesion Molecule 1/ICAM-1/CD54 (C-Fc)
Sequence:	NAQTSVSPSK VILPRGGSVL VTCSTSCDQP KLLGIETPLP KKELLLPGNN RKVYELSNVQ EDSQPMCYSN CPDGQSTAKT FLTVYWTPER VELAPLPSWQ PVGKNLTLRC QVEGGAPRAN LTVVLLRGEK ELKREPAVGE PAEVTTTVLV RRDHHGANFS CRTELDLRPQ GLELFENTSA PYQLQTFVLP ATPPQLVSPR VLEVDTQGTV VCSLDGLFPV SEAQVHLALG DQRLNPTVTY GNDSFSAKAS VSVTAEDEGT QRLTCAVILG NQSQETLQTV TIYSFPAPNV ILTKPEVSEG TEVTVKCEAH PRAKVTLNGV PAQPLGPRAQ LLLKATPEDN GRSFSCSATL EVAGQLIHKN QTRELRVLYG PRLDERDCPG NWTWPENSQQ TPMCQAWGNP LPELKCLKDG TFPLPIGESV TVTRDLEGTY LCRARSTQGE VTRKVTVNVL SPRYEVDDIE GRMDEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSREEMTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

Product Details

Characteristics:	Recombinant Human Intercellular Adhesion Molecule 1/ICAM-1 is produced by our mammalian expression system. The target protein is expressed with sequence (Asn26 Glu480) ofHuman CD54 fused with a FC tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	ICAM1
Alternative Name:	CD54 (ICAM1 Products)
Sub Type:	Fusionprotein
Target Type:	Viral Protein
Background:	Inter-Cellular Adhesion Molecule 1 (ICAM1) is a type of intercellular adhesion molecule continuously present in low concentrations in the membranes of leukocytes and endothelial cells. As an endothelial and leukocyte-associated transmembrane protein, ICAM1 is well known for its importance in stabilizing cell-cell interactions and facilitating leukocyte endothelial transmigration. The presence of heavy glycosylation and other structural characteristics lend ICAM1 binding sites for a number of immune-associated ligands. Notably, ICAM-1 binds to macrophage adhesion ligand-1 (Mac-1, ITGB2 / ITGAM), leukocyte function associated antigen-1 (LFA-1/integrin), and fibrinogen.ICAM-1 expressed by respiratory epithelial cells is also the binding site for rhinovirus, the causative agent of most common colds. Alternative Names: Intercellular Adhesion Molecule 1, ICAM-1, Major Group Rhinovirus Receptor, CD54, ICAM1
Molecular Weight:	76.8 kDa
UniProt:	P05362
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization, Carbohydrate Homeostasis, Regulation of Leukocyte Mediated Immunity, Thromboxane A2 Receptor Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	5 months