

32-7297: Recombinant Human Intercellular Adhesion Molecule 1/ICAM-1/CD54 (C-6His)

Gene : ICAM1
Gene ID : 3383
Uniprot ID : P05362

Description

Source: Human Cells.
MW :50.54kD.

Recombinant Human Intercellular Adhesion Molecule 1 is produced by our Mammalian expression system and the target gene encoding Gln28-Glu480 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : 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.
Amino Acid : QTSVSPSKVILPRGGSVLVTCSTSCDQPKLLGIETPLPKKELLPLGNNRKYVELSNVQEDSQPMCYSNCPDGQST AKTFLTVYWTPERVELAPLPSWQPVGKNTLRCQVEGGAPRANLTVLLRGEKELKREPAVGEPAEVTTLVLR RDHHGANFSCRTDLRPQGLELFENTSAPYQLQTFVLPATPPQLVSPRVLEVDTQGTVVCSLDGLFPVSEAQV HLALGDQRLNPTVTYGNDSFSAKASVSVTAEDGTQRLTCAVILGNQSQETLQTVTIYSFPAPNVILTKPEVSEG TEVTVKCEAHPRAKVTLNGVPAQPLGPRAQLLLKATPEDNGRSFSCSATLEVAGQLIHKNTRELRLVLYGPRLD ERDCPGNWTWPENSQTPMCQAWGNPLPELKCLKDGTFLPIGESVTVTRDLEGTYLCCRARSTQGEVTRKVT VNVLSPRYEVDHHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. 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.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.