

32-7284: Recombinant Human Intercellular Adhesion Molecule 2/ICAM-2/CD102 (C-6His)

Gene : ICAM2
Gene ID : 3384
Uniprot ID : P13598

Description

Source: Human Cells.
MW :23.13kD.

Recombinant Human Intercellular Adhesion Molecule 2 is produced by our Mammalian expression system and the target gene encoding Lys25-Gln223 is expressed with a 6His tag at the C-terminus. ICAM-2 is a 55-65 kD transmembrane glycoprotein possessing 2 extracellular Ig domains, a single transmembrane domain, and a short 26-amino acid cytoplasmic domain. ICAM-2 is expressed on most leukocytes, and is strongly expressed on vascular endothelial cells. Interactions of ICAM-2 and the integrin receptors mediate cell adhesion in a wide range of lymphocyte, monocyte, natural killer cell, and granulocytes with other cells, and play important roles in many adhesion-dependent immune and inflammation responses, such as T cell aggregation, NK-cell cytotoxicity and migration, lymphocyte recirculation, etc. Serum levels of ICAM-2 correlated significantly with the inflammatory and course sequences of trichinosis in mice and had a similar relation with blood eosinophilia. So, estimation of ICAM-2 serum levels may prove useful in diagnosis of trichinosis recent infections, and in monitoring the prognosis and response to treatment.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 2mM CaCl₂, 2mM MgCl₂, 5% Threhalose, 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 : KVFEVHVRPKKLAVEPKGSLEVNCSTTCNQPEVGGLETSLDKILLDEQAQWKHYLVSNISHDTVLQCHFTCSGK QESMNSNVSVYQPPRQVILTQPTLVAVGKSFTIECRVPTVEPLDSLTLFLFRGNETLHYETFGKAAPAPQEATAT FNSTADREDGHRNFSCLAVLDLMSRGGNIFHKHSAPKMLEIYEPVSDSQVDHHHHHH

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.