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Datasheet for ABIN4370385
ICAM2 Protein (AA 25-223) (His tag)

Overview

Quantity:	50 µg
Target:	ICAM2
Protein Characteristics:	AA 25-223
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICAM2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Intercellular Adhesion Molecule 2/ICAM-2/CD102 (C-6His)
Sequence:	KVFEVHVRPK KLAVEPKGSL EVNCSTTCNQ PEVGGLETSL DKILLDEQAQ WKHYLVSNIS HDTV LQCHFT CSGKQESMNS NVSVYQPPRQ VILTLQPTLV AVGKSFTIEC RVPTVEPLDS LTLFLFRGNE TLHYETFGKA APAPQEATAT FNSTADREDG HRNFSCLA VL DLMSRGGNIF HKHSAPKMLE IYEPVSDSQV DHHHHHH
Characteristics:	Recombinant Human Intercellular Adhesion Molecule 2/ICAM-2 produced by transfected human cells is a secreted protein with sequence (Lys25-Gln223) of Human ICAM2 fused with a polyhistidine 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:	ICAM2
Alternative Name:	cd102 (ICAM2 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Interactions of ICAM-2 and the integrin receptors mediate cell adhesion in a wide range of lymphocyte, monocyte, natural killer cell, and granulocytewith 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.</p> <p>Alternative Names: Intercellular Adhesion Molecule 2, ICAM-2, CD102, ICAM2</p>

Molecular Weight: 23.13 kDa

UniProt: [P13598](#)

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, 2 mM CaCl₂, 2 mM MgCl₂, 5 % Threhalose, pH 7.2.

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.

Handling

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: 3 months