

Datasheet for ABIN7196242  
**ICAM2 Protein (Fc Tag)**



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ICAM2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ICAM2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse ICAM-2/CD102 Protein (Fc Tag)(Active)
Sequence:	Met 1-Gln 222
Characteristics:	A DNA sequence encoding the mouse ICAM2 (NP_034624.1) extracellular domain (Met 1-Gln 222) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 93 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When cells are added to mouse ICAM2 coated plates (12.5 µg/ml, 100 µl/well), approximately 25-40% will adhere specifically.

## Target Details

---

Target:	ICAM2
Alternative Name:	ICAM-2/CD102 ( <a href="#">ICAM2 Products</a> )
Background:	<p>Background: Intercellular adhesion molecule 2 (ICAM-2, CD102), belongs to the ICAM family consisting of three members identified as ligands for integrin receptors. It is a type I transmembrane glycoprotein with two Ig-like C2-type domains, and binds to the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). As a second ligand of leukocyte function-associated antigen-1, ICAM-2 functions as a costimulatory molecule for effector cells. ICAM-2 is mainly expressed on vascular endothelial and hematopoietic cells. 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>Synonym: Intercellular adhesion molecule 2, Icam2, ICAM-2, Lymphocyte function-associated AG-1 counter-receptor, CD102, Icam-2, CD102 antigen, Ly-60</p>
Molecular Weight:	50 kDa
NCBI Accession:	<a href="#">NP_034624</a>

## Application Details

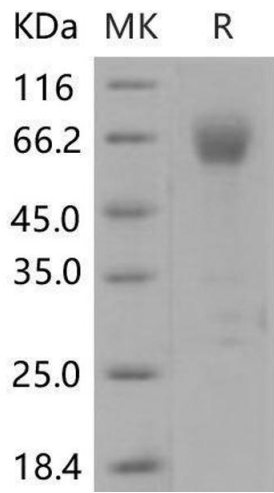
---

Restrictions: For Research Use only

## Handling

---

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris-Citric acid, 150 mM NaCl, pH 5.5
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



**Western Blotting**

**Image 1.**