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Datasheet for ABIN7196247

## ICAM2 Protein

### 1 Image

#### Overview

Quantity:	100 µg
Target:	ICAM2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

#### Product Details

Purpose:	Recombinant Mouse ICAM-2/CD102 Protein (Active)
Sequence:	Met 1-Gln 222
Characteristics:	A DNA sequence encoding the mouse ICAM2 (NP_034624.1) (Met 1-Gln 222) was expressed with six amino acids (LEVLFG) at the C-terminus.
Purity:	> 85 % 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 5 x 10E4 cells/well are added to rICAM1 coated plates (12.5 µg/mL with 100 µL/well), > 30% cells will adhere after 1 hour incubation at 37°C.

#### Target Details

Target:	ICAM2
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## Target Details

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Alternative Name: ICAM-2/CD102 ([ICAM2 Products](#))

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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 granulocyte 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.

Synonym: ALLIM Protein, CCLP Protein, CRP-1 Protein, H4 Protein, Ly115 Protein

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Molecular Weight: 23.6 kDa

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NCBI Accession: [NP\\_034624](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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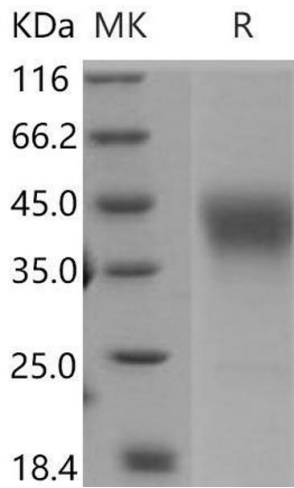
Buffer: Lyophilized from sterile PBS, pH 7.4

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Storage: 4 °C, -20 °C, -80 °C

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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.**