

# Mouse ICAM-2/CD102 (Fc Tag) recombinant protein



Catalog Number: 503060

## General Information

### Gene Name Synonym

Lymphocyte function-associated AG-1 counter-receptor

### Protein Construction

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.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

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.

### Purity

> 93 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 20

### Molecular Mass

The secreted recombinant mouse ICAM2/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 444 amino acids and has a predicted molecular mass of 50 kDa. As a result of glycosylation, the apparent molecular mass of rm ICAM2/Fc monomer is approximately 60-70 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris-Citric acid, 150mM NaCl, pH 5.5  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

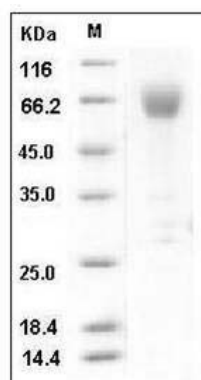
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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Mouse ICAM-2 / CD102 Protein (Fc Tag) SDS- PAGE