

# Mouse ICAM-1/CD54 (His Tag) recombinant protein



Catalog Number: 503350

## General Information

### Gene Name Synonym

MALA-2; MyD10

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse ICAM1 (NP\_034623.1) (Met 1-Asn 485) was fused with a polyhistidine tag 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 ICAM1 coated plates (12.5 µg/mL, 100 µL/well), approximately > 40% cells will adhere specifically.

### Purity

> 96 % 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

Gln 28

## Molecular Mass

The recombinant mouse ICAM1 consists of 469 amino acids after removal of the signal peptide. and has a predicted molecular mass of 51.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm ICAM1 is approximately 80-90 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

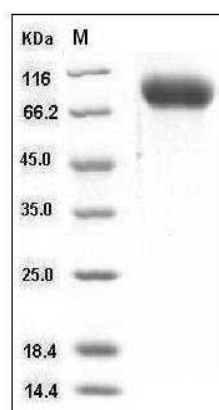
### Storage

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



Mouse ICAM-1 / CD54 Protein (His Tag) SDS-PAGE