

## General Information

### Gene Name Synonym

Lymphocyte function-associated AG-1 counter-receptor

### Protein Construction

A DNA sequence encoding the mouse ICAM2 (NP\_034624.1) (Met 1-Gln 222) was expressed with six amino acids (LEVLFQ) 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 5 x 10E4 cells/well are added to rmICAM1 coated plates (12.5 µg/mL with 100 µL/well), > 30% cells will adhere after 1 hour incubation at 37°C.

### Purity

> 85 % 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 recombinant mouse ICAM2 consists of 210 amino acids and has a calculated molecular mass of 23.6 kDa. The recombinant protein migrates as an approximately 38-42 kDa band in SDS-PAGE under reducing conditions.

### 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

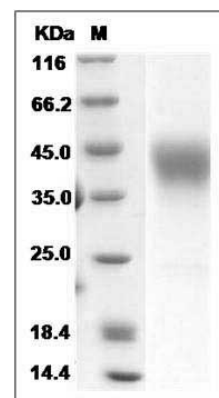
### Storage

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-2 / CD102 Protein SDS-PAGE