

## General Information

### Protein Construction

A DNA sequence encoding the rat ICAM1 (Q00238-1) extracellular domain (Met 1-Thr 493) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### 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 rat ICAM1 coated plates (12.5 µg/mL, 100 µL/well), approximately > 30% cells will adhere specifically.

### Purity

> 97 % 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 rat ICAM1 comprises 477 amino acids and predicts a molecular mass of 52.7 kDa. The apparent molecular mass of the rat ICAM1 is approximately 70-75 kDa in SDS-PAGE under reducing conditions 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

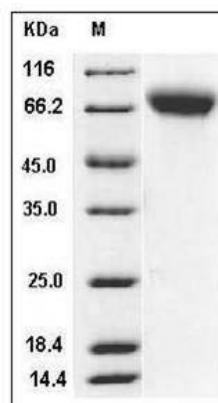
### Storage

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



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