

# Human ICAM-3 / CD50 (His & Fc Tag) recombinant protein



Catalog Number: 501564

## General Information

### Protein Construction

The extracellular domain (Met 1-His 485) of human ICAM3 (NP\_002153.2) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### 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 ICAM3 coated plates (12.5 µg/ml, 100 µl/well), approximately 45%-60% 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 30

### Molecular Mass

The recombinant human ICAM3/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 703 amino acids and predicts a molecular mass of 77.2 kDa. By SDS-PAGE, the apparent molecular mass of rh ICAM3/Fc is approximately 125-135 kDa due to the 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

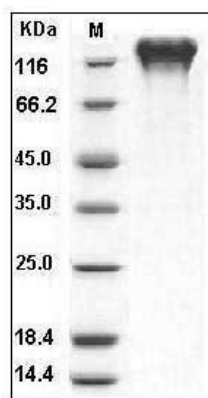
### Storage

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



Human CD50 / ICAM-3 Protein (His & Fc Tag)  
SDS-PAGE