

# Mouse VCAM-1/CD106 (His & Fc Tag) recombinant protein



Catalog Number: 503920

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 698) of mouse VCAM1 (NP\_035823.3) precursor was fused with the C-terminal polyhistidine-tagged 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 U937 human histiocytic lymphoma cells.

When cells are added to VCAM1 coated plates (10 µg/ml, 100 µg/well) approximately >70% cells will adhere specifically.

### Purity

> 90 % 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

Phe 25

### Molecular Mass

The recombinant mouse VCAM1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 922 amino acids and has a predicted molecular mass of 102 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmVCAM1/Fc monomer is approximately 110-120 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

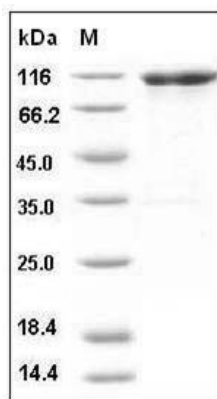
### Storage

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



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SDS-PAGE