

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



Catalog Number: 501181

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 698) of mouse VCAM1 (NP\_035823.3) was fused with the 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 U937 human histiocytic lymphoma cells. When  $5 \times 10^4$  cells/well are added to mouse VCAM1 coated plates (10  $\mu\text{g/ml}$  with 100  $\mu\text{l/well}$ ), approximately 70%-80% cells will adhere after 1 hour incubation at RT.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^\circ\text{C}$

### Predicted N terminal

Phe 25

### Molecular Mass

The secreted recombinant mouse VCAM1 consists of 685 amino acids and has a predicted molecular mass of 75.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmVCAM1 is approximately 90-100 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

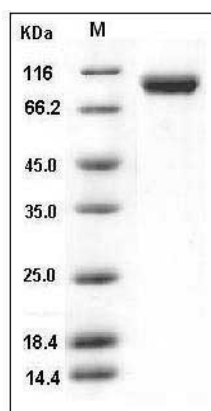
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  to  $-80^\circ\text{C}$ . 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 VCAM1 / L1CAM / CD106 Protein (His Tag)  
SDS-PAGE