

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 5×10^4 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 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 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

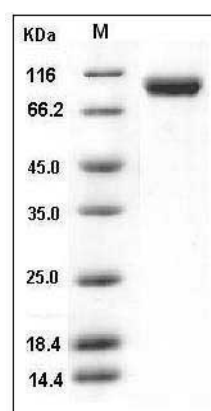
Storage

Store it under sterile conditions at -20°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