

# Mouse CD166/ALCAM (His Tag) recombinant protein



Catalog Number: 503144

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 527) of mouse ALCAM (NP\_033785.1) precursor was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized mouse ALCAM-His at 10 µg/ml (100 µl/well) can bind mouse CD6-Fc (Cat:500293), The EC<sub>50</sub> of mouse CD6-Fc (Cat:500293) is 0.08-0.18 µg/ml.

### Purity

> 98 % 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

Trp 28

### Molecular Mass

The recombinant mouse ALCAM consists of 511 amino acids and has a predicted molecular mass of 57.7 kDa. Due to glycosylation, rmALCAM migrates as an approximately 70-80 kDa band in SDS-PAGE under reducing conditions.

### 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

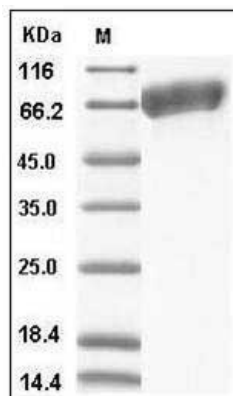
### Storage

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



Mouse ALCAM / CD166 Protein (His Tag) SDS-PAGE