

# Mouse CD6 / Cluster of Differentiation 6 (His Tag) recombinant protein



Catalog Number: 503645

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD6 (Q91WN5) (Met 1-Gly396) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells.

When  $8 \times 10^4$  cells/well are added to mCD6-His coated plates ( $5\mu\text{g/mL}$ ,  $100\mu\text{L/well}$ ), approximately more than 15% of cells will adhere after 60 minutes at  $37^\circ\text{C}$ .

### Purity

> 90 % 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

Gly 17

## Molecular Mass

The secreted recombinant mouse CD6 comprises 391 amino acids and has a calculated molecular mass of 42.6 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 60-70 kDa 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

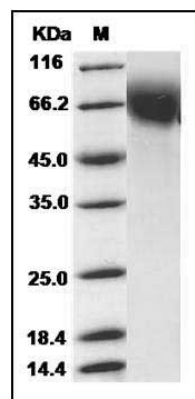
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  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 CD6 / TP120 Protein (His Tag) SDS-PAGE