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 x 104 cells/well are added to mCD6-His coated plates (5μg/mL, 100 μL/well) , approximately more than 15% of cells will adhere after 60 minutes at 37℃.

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℃

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

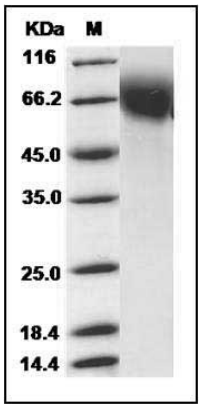
Storage

Store it under sterile conditions at -20℃ to -80℃. 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