

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



Catalog Number: 500293

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD6 (Q91WN5) (Met 1-Val 243) was fused with the Fc region of human IgG1 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 Jurkat human acute T cell leukemia cells.

When 8×10^4 cells/well are added to mCD6-Fc coated plates ($10 \mu\text{g/mL}$, $100 \mu\text{L/well}$), approximately 14.4% will adhere after 60 minutes at 37°C .

Purity

> 85 % 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

Gly 17

Molecular Mass

The recombinant mouse CD6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 621 amino acids and has a calculated molecular mass of 68.2 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 80-90 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

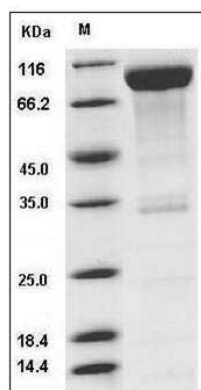
Storage

Store it under sterile conditions at -20°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 CD6 / TP120 Protein (Fc Tag) SDS-PAGE