

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



Catalog Number: 500412

General Information

Protein Construction

A DNA sequence encoding the rat CD6 (Q812A4) (Met1-Asn396) was expressed with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized rat CD6-His at 10 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind rat ALCAM-Fc3 (Cat:503801), The EC_{50} of rat ALCAM-Fc3 (Cat:503801) is 19.5-45.5 ng/ml .
2. 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 ratCD6-His coated plates (10 $\mu\text{g}/\text{mL}$, 100 $\mu\text{L}/\text{well}$), approximately 39.2% will adhere after 60 minutes at 37°C.

Purity

> 95 % 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

Leu 18

Molecular Mass

The recombinant rat CD6 comprises 390 amino acids and predicts a molecular mass of 42.5 kDa. The apparent molecular mass of the recombinant protein is approximately 64-70 kDa in SDS-PAGE under reducing conditions 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

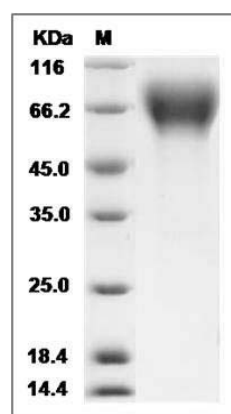
Storage

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



Rat CD6 / TP120 Protein (His Tag) SDS-PAGE