Rat CD4 (His Tag) recombinant protein

Catalog Number: 501772

General Information

Gene Name Synonym

T-cell surface antigen T4/Leu-3; W3/25 antigen

Protein Construction

A DNA sequence encoding the rat Cd4 (NP_036837.1) (Met1-Thr394) was expressed with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells.When 5 × 10E4 cells/well areadded to ratCD4-His coated plates (0.2μg/mL and 100μL/well),approximately >70% will adhere specifically after 30 minutes at 37℃.

Purity

> 95 % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per μg 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

Lys 28

Molecular Mass

The recombinant rat Cd4 consists 378 amino acids and predicts a molecular mass of 42.5 kDa.

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

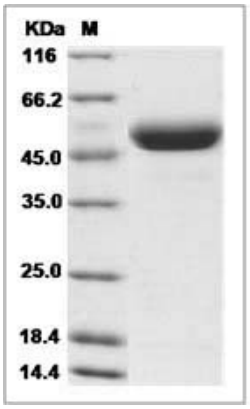
Storage

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



Rat CD4 Protein (His Tag) SDS-PAGE