

## General Information

### Protein Construction

A DNA sequence encoding the rhesus CD4 (EHH20435.1) (Met1-Trp390) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rhesus

### 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  $5 \times 10^4$  cells/well are added to cynoCD4-His coated plates ( $4\mu\text{g/mL}$  and  $100\mu\text{L/well}$ ), approximately  $>50\%$  will adhere specifically after 30 minutes at  $37^\circ\text{C}$ .

### Purity

$> 95\%$  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

Lys 26

## Molecular Mass

The recombinant rhesus CD4 comprises 376 amino acids and has a calculated molecular mass of 41.8 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

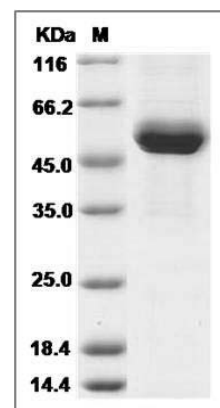
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  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



Cynomolgus CD4 Protein (His Tag) SDS-PAGE