

# Rhesus CD16 / FCGR3 (His Tag) recombinant protein



Catalog Number: 504599

## General Information

### Protein Construction

A DNA sequence encoding the rhesus CD16 (NP\_001258584.1) extracellular domain (Met 1-Gly 206) was fused with a polyhistidine tag at the C-terminus.

### Organism

Rhesus

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized Rhesus FCGR3-His (cat:504599) at 10 µg/ml (100 µl/well) can bind recombinant human IgG1 (Fc) (Cat:500583). The  $EC_{50}$  of human IgG1 (Fc) (Cat:500583) is 0.35-0.81 µg/ml.

### 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

Gly 17

## Molecular Mass

The recombinant rhesus CD16 consists of 201 amino acids and has a calculated molecular mass of 22.7 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

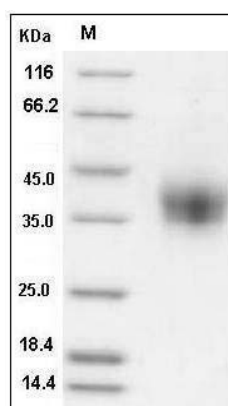
### Storage

Store it under sterile conditions at -20°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



Cynomolgus CD16 / FCGR3 Protein (His Tag) SDS-PAGE