

Rhesus CD16 / FCGR3 (His & AVI Tag) recombinant protein



Catalog Number: 504600

General Information

Protein Construction

A DNA sequence encoding the rhesus CD16 (NP_001258584.1) extracellular domain (Met 1-Gln 208) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.

Organism

Rhesus

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind human IgG1 in a functional ELISA.
2. Labeling ratio of biotin to protein: 0.4

Purity

> 92 % 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 223 amino acids and has a calculated molecular mass of 25.3 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

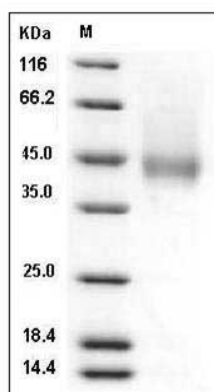
Storage

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 & AVI Tag), Biotinylated SDS-PAGE