

# Biotinylated Cynomolgus Fc gamma RIII/CD16 Protein

Cat. No. FGR-CM4R3B

## Description

<b>Source</b>	Recombinant Biotinylated Cynomolgus Fc gamma RIII/CD16 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly17-Gln208.
<b>Accession</b>	Q8SPW2-1
<b>Molecular Weight</b>	The protein has a predicted MW of 24.86 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

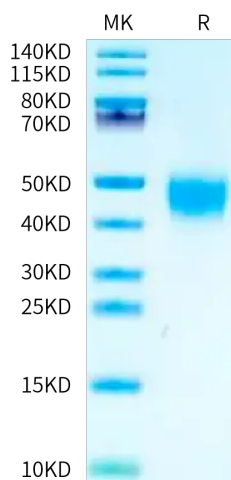
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Immunoglobulin G (IgG) Fc receptors play a critical role in linking IgG antibody-mediated immune responses with cellular effector functions. A high resolution map of the binding site on human IgG1 for human Fc gamma RI, Fc gamma RIIA, Fc gamma RIIIB, Fc gamma RIIIA, and FcRn receptors has been determined. A common set of IgG1 residues is involved in binding to all Fc gamma R; Fc gamma RII and Fc gamma RIII also utilize residues outside this common set.

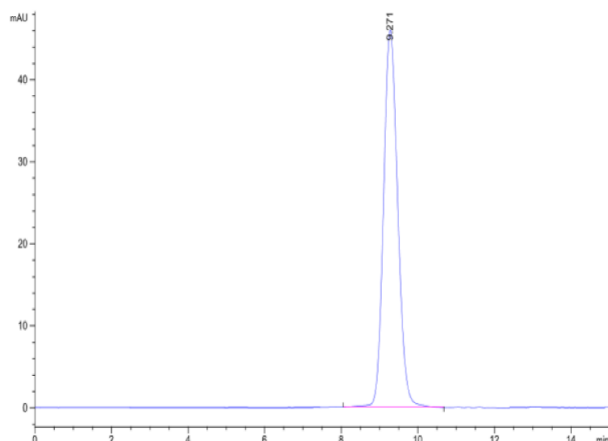
## Assay Data

### Tris-Bis PAGE



Biotinylated Cynomolgus Fc gamma RIII on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Biotinylated Cynomolgus Fc gamma RIII is greater than 95% as determined by SEC-HPLC.