

Fc gamma RIII/CD16
Catalog # PVGS1911**Specification**

Fc gamma RIII/CD16 - Product InformationPrimary Accession [Q8SPW2-1](#)**Species**
Cynomolgus**Sequence**
Gly17-Gln208**Purity**
> 95% as determined by Bis-Tris PAGE
> 95% as determined by HPLC**Endotoxin Level**
Less than 1EU per µg by the LAL method.**Biological Activity**
Rituximab captured on CM5 Chip via Protein A can bind Fc gamma RIII/CD16, His, Cynomolgus in SPR assay (Biacore T200). Test result was comparable to standard batch.**Expression System**
HEK293**Theoretical Molecular Weight**
23.1 kDa**Formulation** **Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).****Reconstitution**
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.**Storage & Stability**
Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.**Fc gamma RIII/CD16 - Additional Information****Target 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 RIIB, 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.

Fc gamma RIII/CD16 - Protein Information

Fc gamma RIII/CD16 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Fc gamma RIII/CD16 - Images