10320 Camino Santa Fe, Suite G
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Fc gamma RIII/CD16

Catalog # PVGS1911

Specification

Fc gamma RIII/CD16 - Product Information

Primary 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.

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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 Cytomety
- Cell Culture

Fc gamma RIII/CD16 - Images