

Fc gamma RIII/CD16
Catalog # PVGS1902**Specification**

Fc gamma RIII/CD16 - Product Information

Primary Accession

[Q5D5I8](#)**Species**

Mouse

Sequence

Leu32-Thr215

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

OKT3 captured on CM5 Chip via Protein A can bind Fc gamma RIII/CD16, His, Mouse in SPR assay (Biacore T200). Test result was comparable to standard batch.

Expression System

HEK293

Theoretical Molecular Weight

22.2 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