

Rev05
 Update: Aug,20,2025

DATASHEET

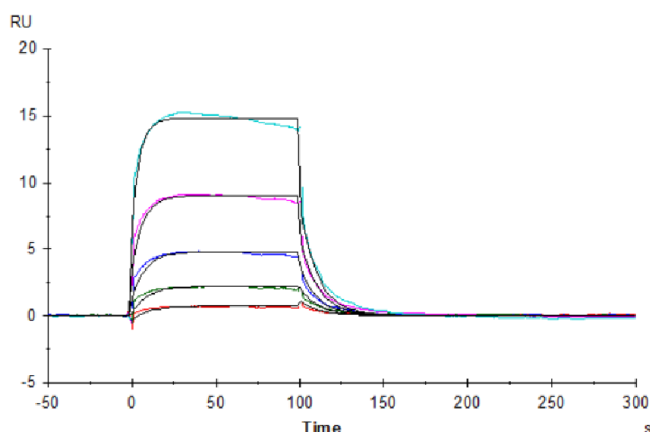
Fc gamma RIIIA/CD16a (F176), His & Avi, Human

Cat. No.: Z04252

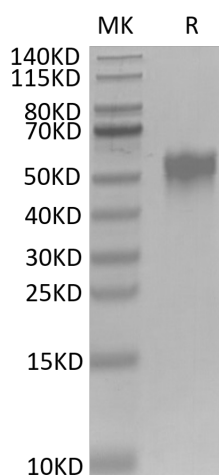
Product Introduction

Species	Human
Protein Construction	Fc gamma RIIIA/CD16a (F176) [Gly17-Gln208 (F176)] Accession # P08637-1 His Avi N-termC-term
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	24.7 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
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 for 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.

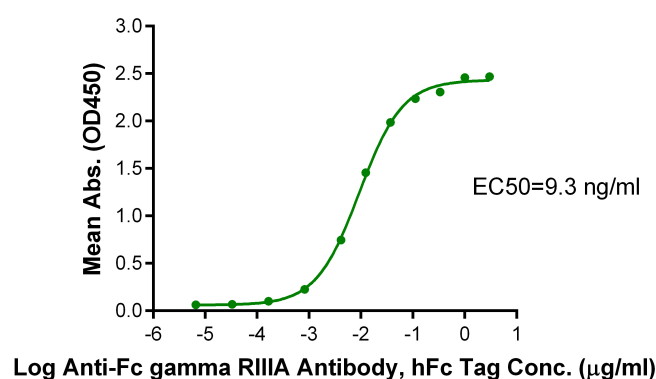
Examples



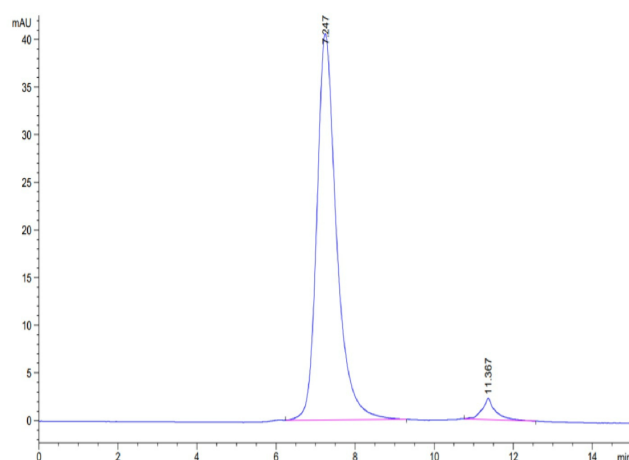
Fc gamma RIIIA/CD16a (F176), His & Avi, Human , His Tag captured on CM5 Chip via anti-His antibody can bind Rituximab, hFc Tag with an affinity constant of 0.92µM as determined in SPR assay (Biacore T200).



Fc gamma RIIIA/CD16a (F176), His & Avi, Human on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.



Immobilized Fc gamma RIIIA/CD16a (F176), His & Avi, Human, His Tag at 2 μg/ml (100 μL/well) on the plate. Dose response curve for Anti-Fc gamma RIIIA Antibody, hFc Tag with the EC50 of 9.3 ng/ml determined by ELISA.



The purity of Fc gamma RIIIA/CD16a (F176), His & Avi, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Human Fc gamma RIIIA/CD16a Protein is a receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.

Synonyms : Fc gamma RIIIA; FCGR3; FCGR3A; FCGR3B; FcγRIIIa; FcR-10; CD16A; FCG3; IGFR3; FcRIIIa; FcRIII; CD16; IMD20

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China