

Rev03
 Update: Aug,08,2025
DATASHEET

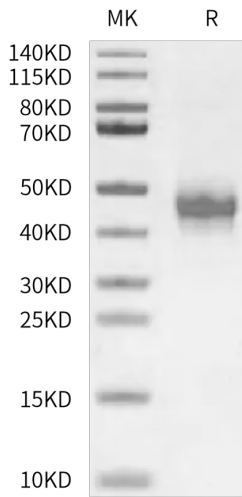
Fc gamma RIIIA/CD16a (V176) Domain 2 mFc Chimera, Human

Cat. No.: Z05277

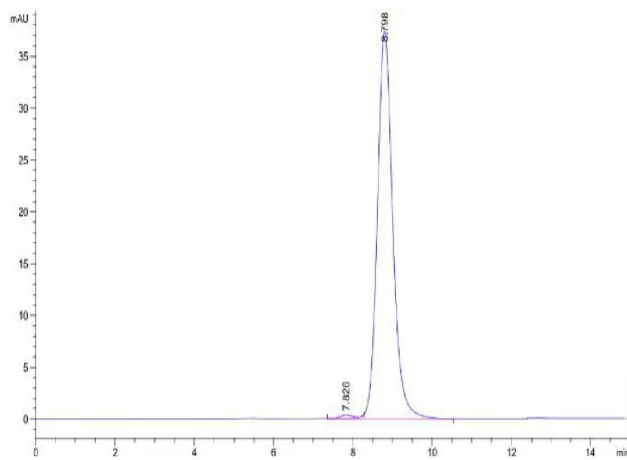
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Fc gamma RIIIA/CD16a (V176) Domain 2 (Gly107-Thr189) Accession # AAH17865 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;">mFc</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	35.29 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 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 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.

Examples



Fc gamma RIIIA/CD16a (V176) Domain 2 mFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of Fc gamma RIIIA/CD16a (V176) Domain 2 mFc Chimera, 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; FCGRIII; 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.

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