

Human Fc gamma RIIIA/CD16a (V176) Domain 2 Protein

Cat. No. FCR-HM31D

Description

Source	Recombinant Human Fc gamma RIIIA/CD16a (V176) Domain 2 Protein is expressed from HEK293 with mFc tag at the C-terminus. It contains Gly107-Thr189.
Accession	AAH17865
Molecular Weight	The protein has a predicted MW of 35.29 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

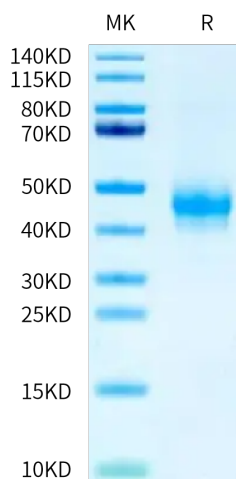
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

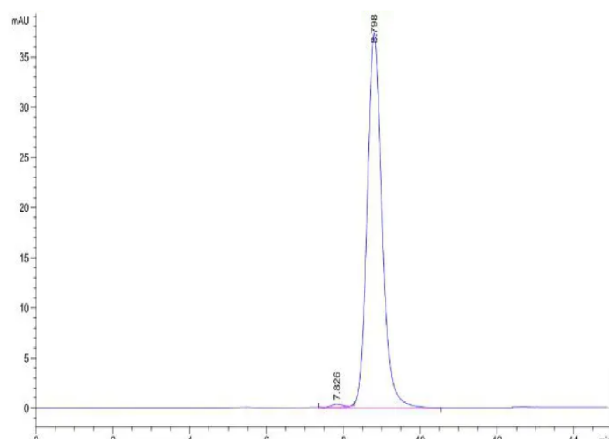
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



The purity of Human Fc gamma RIIIA (V176) Domain 2 Protein is greater than 95% as determined by SEC-HPLC.