

CD16a (V176) Domain 2 Protein, Human, Recombinant (mFc)

General Information

Synonyms:	FCGR3;IGFR3;FcR-10;Fc γ RIIIA/CD16a (V176) Domain 2 Protein;IMD20;Fc γ RIIIA;FcRIIIa;FCGR3A;FcRIII;Fc γ RIIIA;CD16A;FCG3;CD16;FCGRIII;Fc gamma RIIIA
Protein Construction:	Gly107-Thr189
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH17865
Molecular Weight:	35.29 kDa (predicted). Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Reference

Koene H R, et al. Fc gammaRIIIa-158V/F polymorphism influences the binding of IgG by natural killer cell Fc gammaRIIIa, independently of the Fc gammaRIIIa-48L/R/H phenotype[J]. Blood, 1997, 90(3):1109-1114.

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