Cat. No. PME-C100082



## **PRODUCT INFORMATION**

**Target** FCGR3A

CD16; FCG3; CD16A; FCGR3; IGFR3; IMD20; **Synonyms** FCR-10; FCRIII; CD16-II; FCGRIII; FCRIIIA; FcGRIIIA

Recombinant Cynomolgus FCGR3A protein with C-**Description** 

terminal human Fc tag

Delivery In Stock O8SPW2 **Uniprot ID Expression Host HEK293** 

Tag C-Human Fc tag

Molecular

**Purity** 

**Background** 

Usage

FCGR3A(Gly17-Gly206) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 47.8 kDa after removal of the signal peptide. The **Molecular Weight** 

apparent molecular mass of cFCGR3A-hFc is approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other responses, including

antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane

glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the

receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene are associated with immunodeficiency 20, and have been linked to susceptibility to recurrent viral infections, susceptibility to

systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by

> Email: info@dimabio.com Website: www.dimabio.com

RefSeq, Aug 2020] Research use only

Conjugate Unconjugated

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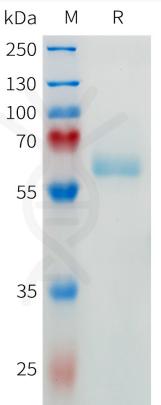


Figure 1. Cynomolgus FCGR3A Protein, hFc Tag on SDS-PAGE under reducing condition.

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