Human FCGR3A Protein (F176V), His Tag

Cat. No. PME100069

## PRODUCT INFORMATION

| | |
|---|---|
| **Target** | FCGR3A |
| **Synonyms** | FCGR3A;CD16A;FCG3;FCGR3;IGFR3 |
| **Description** | Recombinant human FCGR3A protein(F176V) with C-terminal 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P08637 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His Tag |
| **Molecular Characterization** | FCGR3A(Gly17-Gly206)(F176V) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 22.3 kDa after removal of the signal peptide. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | 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). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | 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 other antibody-dependent responses. 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 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. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

DIMA BIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

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

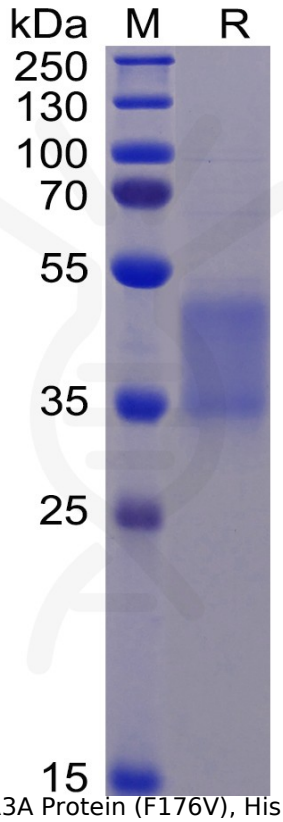



Figure 1. Human FCGR3A Protein (F176V), His Tag on SDS-PAGE under reducing condition.

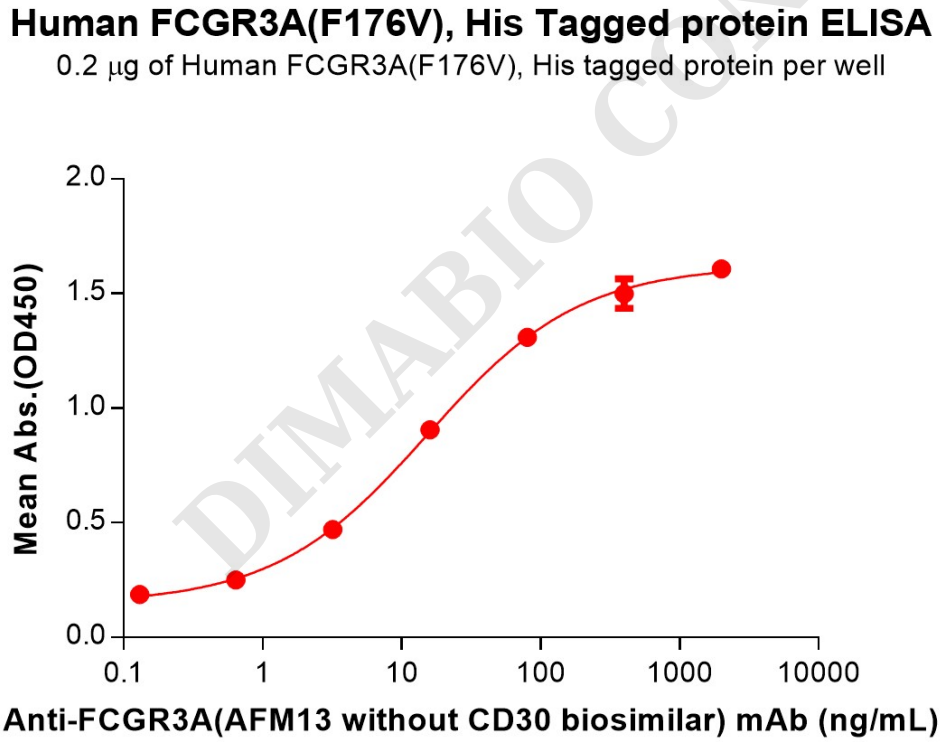



Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FCGR3A Protein (F176V), His Tag (PME100069) can bind Anti-FCGR3A(AFM13 without CD30 biosimilar) mAb (BME100267) in a linear range of 0.64–80 ng/mL.

DIMABIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

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

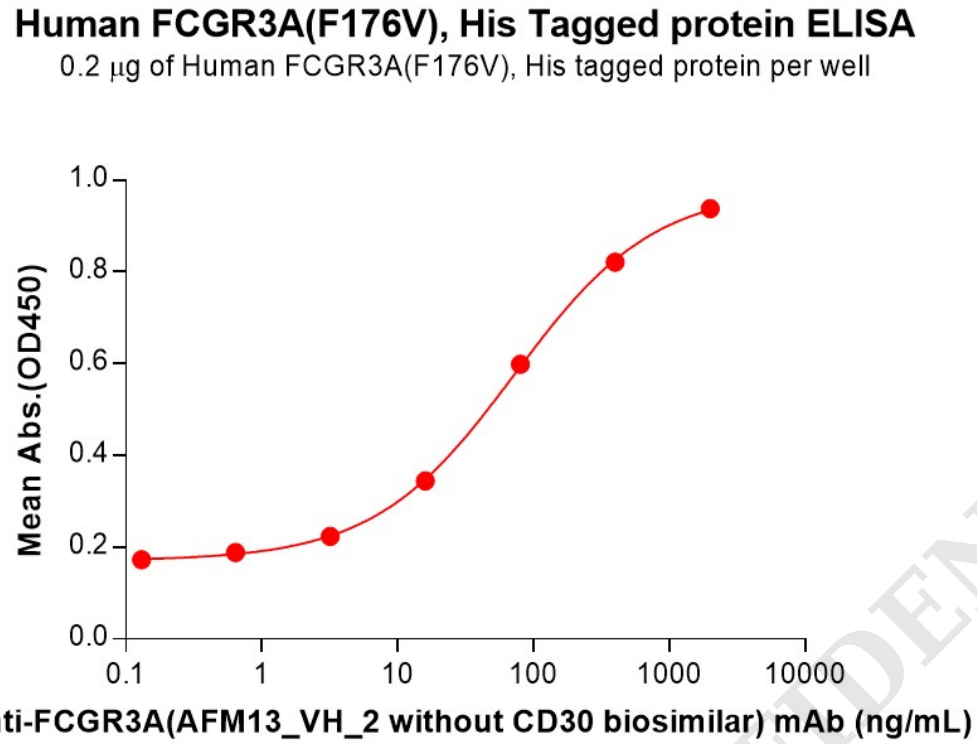



Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FCGR3A Protein (F176V), His Tag (PME100069) can bind Anti-FCGR3A(AFM13_VH_2 without CD30 biosimilar) mAb (BME100270) in a linear range of 3.20–400 ng/mL.

DIMABIO CONFIDENTIAL

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

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