

PRODUCT INFORMATION

Target	FCGR2
Synonyms	FCRN; FcγRn; alpha-chain
Description	Recombinant human FCGR2 Protein with C-terminal 10×His tag
Delivery	In Stock
Uniprot ID	P55899
Expression Host	HEK293
Tag	C-10×His tag
Molecular Characterization	FCGR2(Ala24-Ser297) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 31.7 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Usage	Research use only
Conjugate	Unconjugated



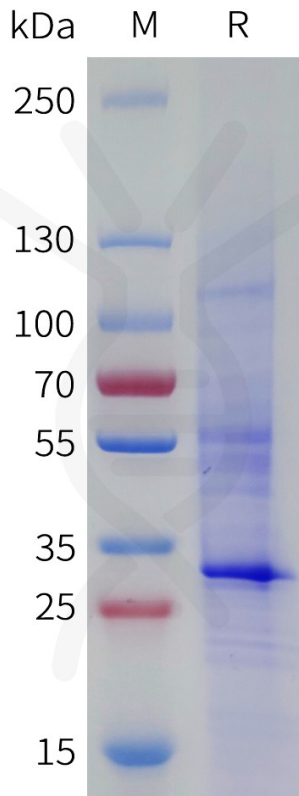
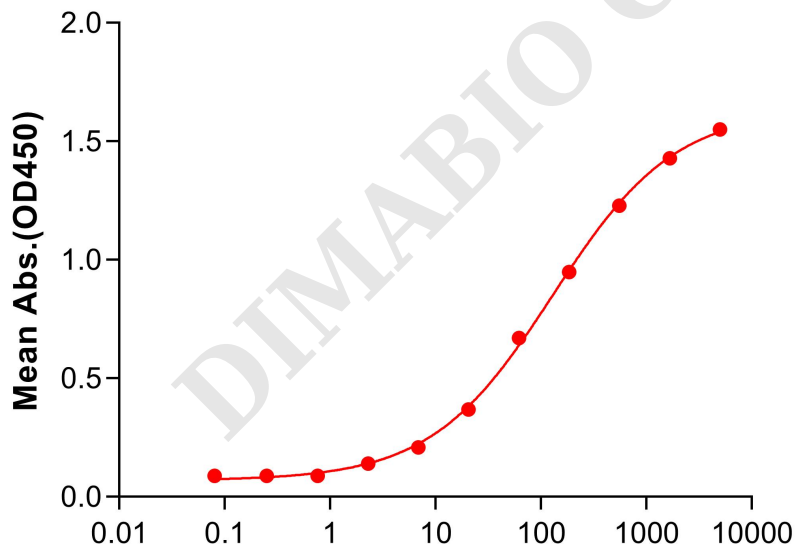


Figure 1. Human FCGRT Protein, His Tag on SDS-PAGE under reducing condition.

Human FCGRT, His Tagged protein ELISA

0.2 μg of Human FCGRT, His tagged protein per well



Anti-FCGRT(rozanolixizumab biosimilar) mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Human FCGRT Protein, His Tag (PME101795) can bind Anti-FCGRT(rozanolixizumab biosimilar) mAb (BME100658) in a linear range of 20.58–185.19 ng/mL.

