

## PRODUCT INFORMATION

<b>Target</b>	FCGRT and B2M
<b>Synonyms</b>	FCRN, FcγRn, alpha-chain and IMD43, AMYLD6, MHC1D4
<b>Description</b>	Recombinant human FCGRT protein with C-terminal 6×His tag and human B2M protein with C-terminal Flag tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P55899 and P61769
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His tag and C-Flag tag
<b>Molecular Characterization</b>	FCGRT(Ala24-Ser297) 6×His tag B2M(Ile21-Met119) Flag tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 33.0 and 14.4 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	FcRn complex consist of two subunits: p51, and p14 which is equivalent to beta-2-microglobulin. It forms an MHC class I-like heterodimer
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



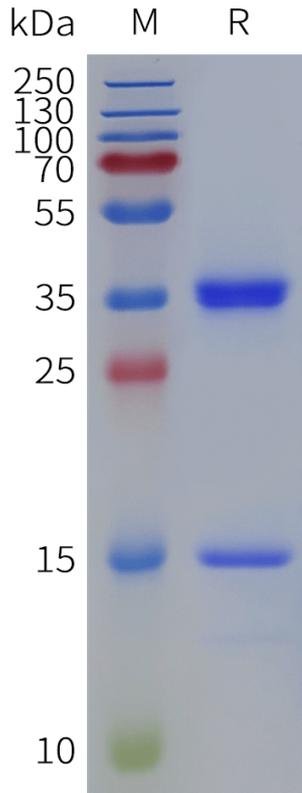


Figure 1. Human FCGRT and B2M Heterodimer Protein, His Tag and Flag Tag on SDS-PAGE under reducing condition.

## Human FCGRT and B2M Heterodimer Protein, His Tag and Flag Tag ELISA

0.2  $\mu\text{g}$  of Human FCGRT and B2M Heterodimer, His tagged and Flag tagged protein per well

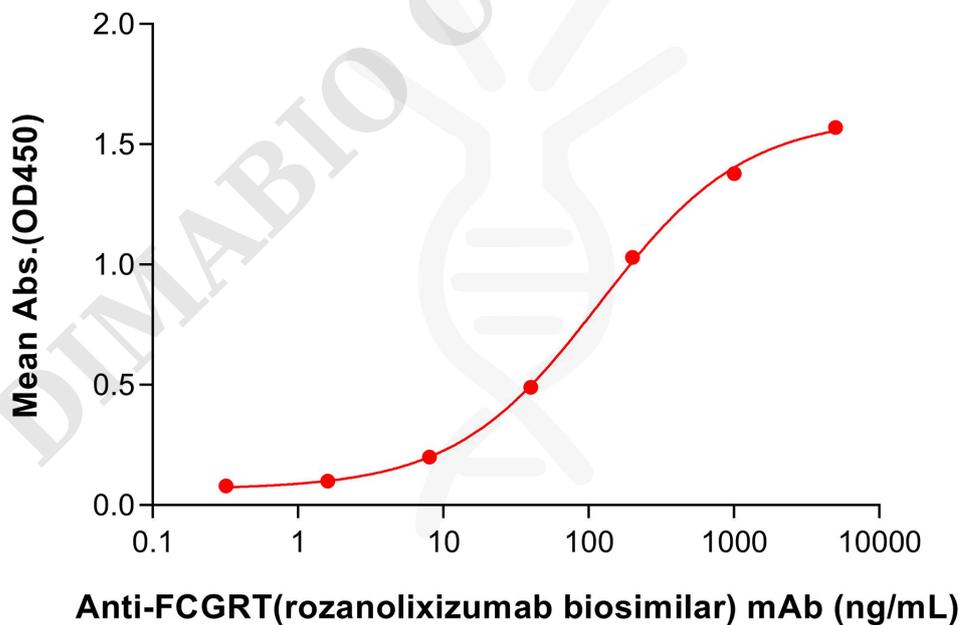


Figure 2. ELISA plate pre-coated by 2  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human FCGRT and B2M Heterodimer Protein, His Tag and Flag Tag (PME101851) can bind Anti-FCGRT(rozanolixizumab biosimilar) mAb (BME100658) in a linear range of 80-200 ng/mL.

