

PRODUCT INFORMATION

Target	FCGRT and B2M
Synonyms	FCRN, FcgammaRn, alpha-chain and IMD43, AMYLD6, MHC1D4
Description	Recombinant human FCGRT protein with C-terminal 6×His tag and human B2M protein with C-terminal Strep tag
Delivery	In Stock
Uniprot ID	P55899 and P61769
Expression Host	HEK293
Tag	C-6×His tag and C-Strep tag
Molecular Characterization	FCGRT(Ala24-Ser297) 6×His tag B2M(Ile21-Met119) Strep tag
Molecular Weight	The protein has a predicted molecular mass of 33.0 and 14.8 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.
Background	FcRn complex consist of two subunits: p51, and p14 which is equivalent to beta-2-microglobulin. It forms an MHC class I-like heterodimer
Usage	Research use only
Conjugate	Unconjugated





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

Human FCGRT and B2M Heterodimer Protein, His Tag and Twin Strep Tag ELISA

0.2 µg of Human FCGRT and B2M Heterodimer, His tagged and Twin Strep tagged protein per well

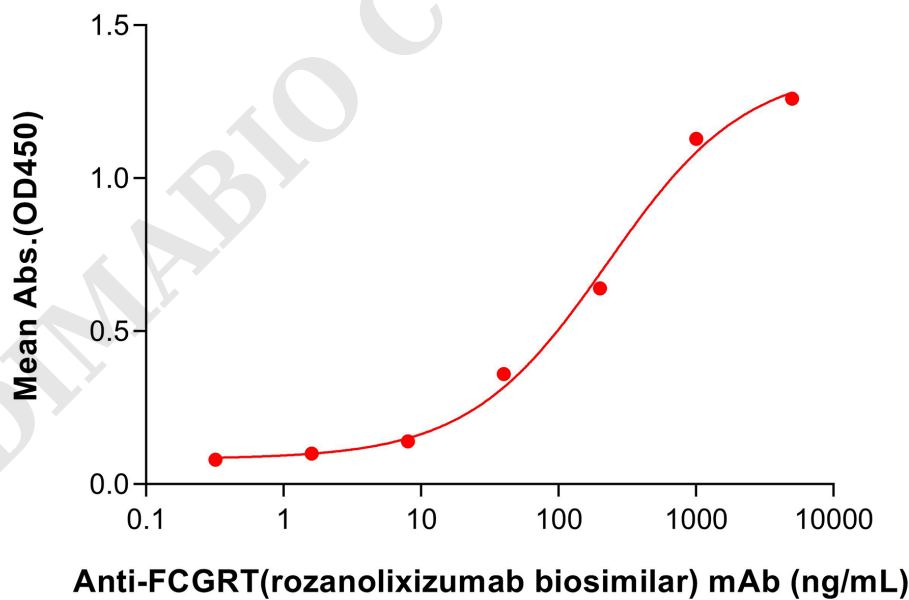


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human FCGRT and B2M Heterodimer Protein, His Tag and Strep Tag (PME101850) can bind Anti-FCGRT(rozanolixizumab biosimilar) mAb (BME100658) in a linear range of 40-200 ng/mL.

