

PRODUCT INFORMATION

Target	TIGIT
Synonyms	TIGIT;VSIG9;VSTM3
Description	Recombinant human TIGIT Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q495A1
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	TIGIT(Met22-Pro141) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 39.13 kDa after removal of the signal peptide. The apparent molecular mass of TIGIT-hFc is approximately 40-53 kDa due to glycosylation.
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 member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity, this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.
Usage	Research use only
Conjugate	Unconjugated



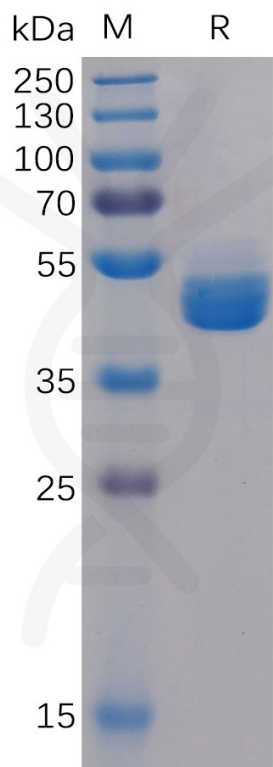


Figure 1. Human TIGIT Protein, hFc Tag on SDS-PAGE under reducing condition.

Human TIGIT, hFc Tagged protein ELISA
0.2 µg of TIGIT, hFc Tagged protein per well

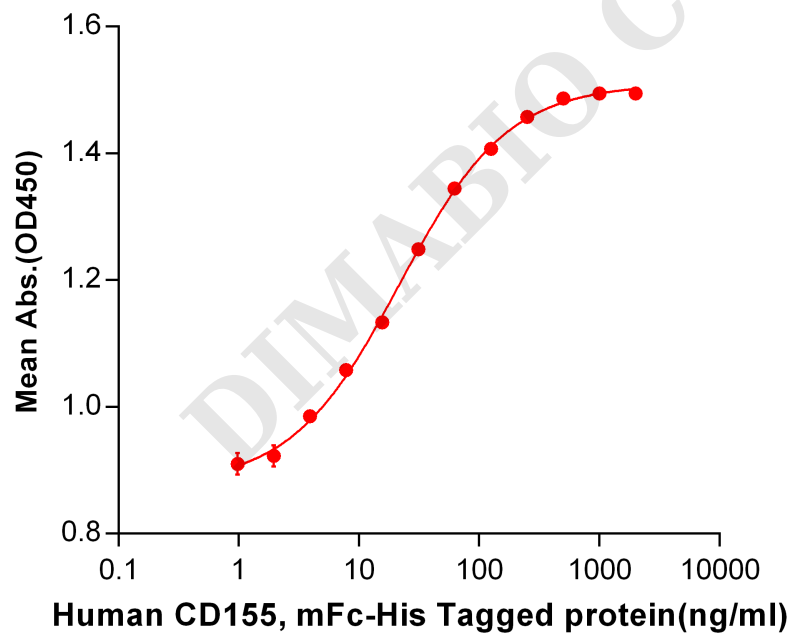


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD155, mFc-His tagged protein ([getskuurl sku="PME100027"]) can bind Human TIGIT, hFc tagged protein (PME100107) in a linear range of 1.95-125 ng/ml.



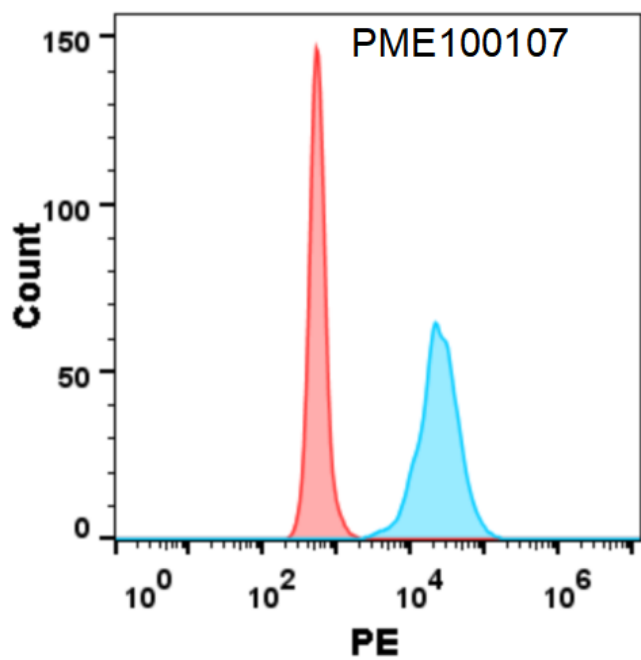


Figure 3. Flow cytometry analysis with 1 µg/mL Human TIGIT Protein, hFc tag (PME100107) on HEK293 cells transfected with human CD112 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

Human TIGIT, hFc Tagged protein ELISA
0.2 µg of Human TIGIT, hFc tagged protein per well

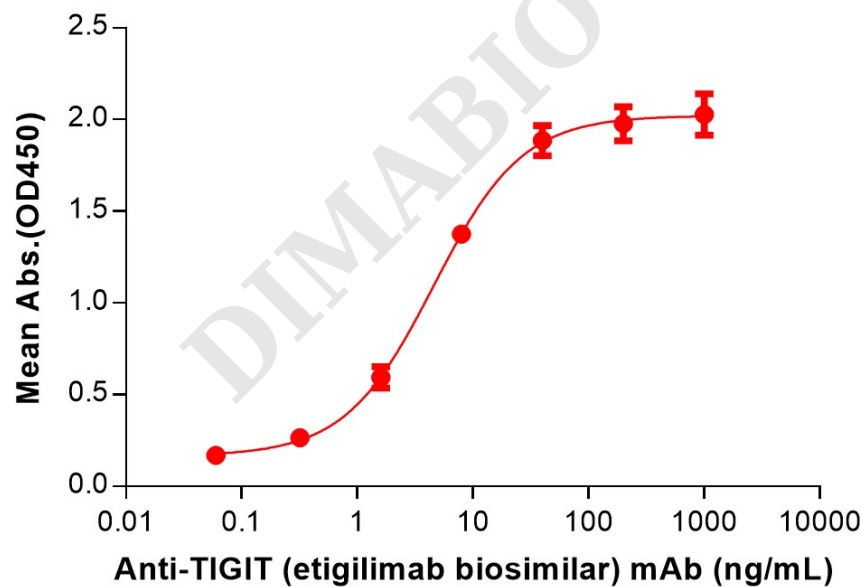


Figure 4. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human TIGIT Protein, hFc Tag (PME100107) can bind Anti-TIGIT (etigilimab biosimilar) mAb (BME100024) in a linear range of 0.32–8 ng/mL.

