PRODUCT INFORMATION

Target	TIGIT
Synonyms	TIGIT;VSIG9;VSTM3
Description	Recombinant human TIGIT Protein with C-terminal His tag
Delivery	In Stock
Uniprot ID	Q495A1
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	TIGIT(Met22-Pro141) 6×His
Molecular Weight	The protein has a predicted molecular mass of 13.85 kDa after removal of the signal peptide.The apparent molecular mass of TIGIT-His is approximately 17-25 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 immunoglobin 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

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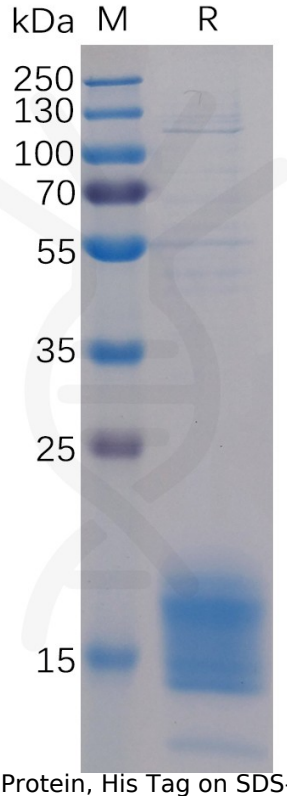


Figure 1. Human TIGIT Protein, His Tag on SDS-PAGE under reducing condition.

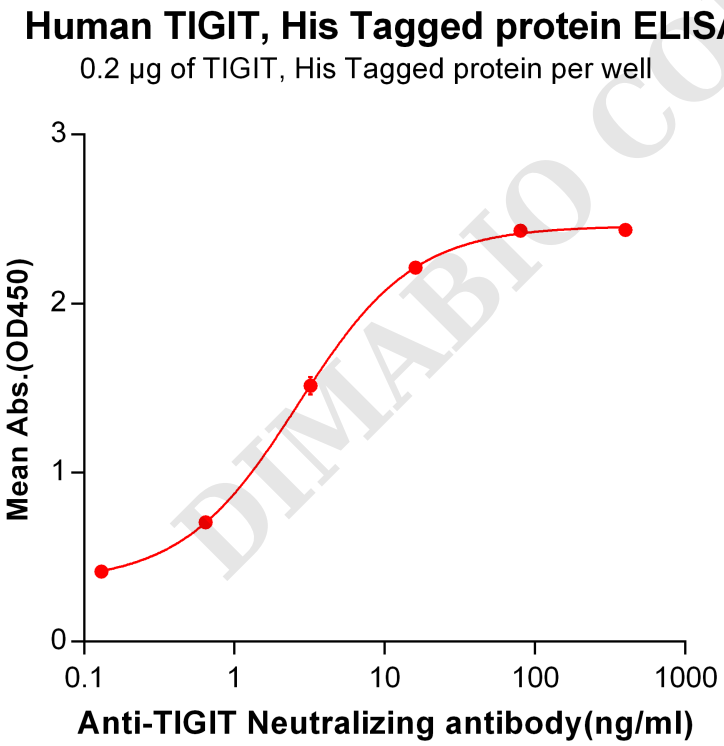


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human TIGIT, His tagged protein (PME100506) can bind Anti-TIGIT Neutralizing antibody BME100024 in a linear range of 0.13-16.0 ng/ml.

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