

PRODUCT INFORMATION

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| Target | TIGIT |
| Synonyms | TIGIT;VSIG9;VSTM3 |
| Description | Recombinant human TIGIT Protein with C-terminal mouse Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q495A1 |
| Expression Host | HEK293 |
| Tag | C-Mouse Fc Tag |
| Molecular Characterization | TIGIT(Met22-Pro141) mFc(Pro99-Lys330) |
| Molecular Weight | The protein has a predicted molecular mass of 39.24 kDa after removal of the signal peptide. The apparent molecular mass of TIGIT-mFc 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. |
| Yefei_Storage | 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 |



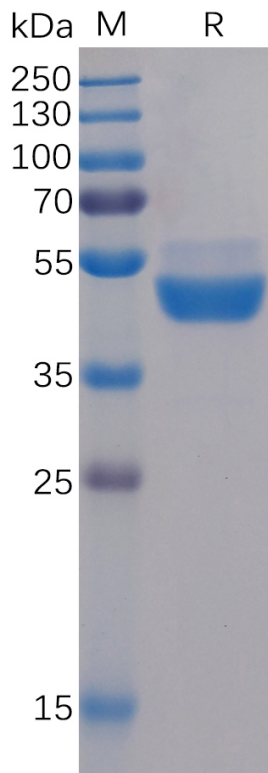


Figure 1. Human TIGIT Protein, mFc Tag on SDS-PAGE under reducing condition.

Human TIGIT, mFc Tagged protein ELISA

0.2 μg of TIGIT, mFc Tagged protein per well

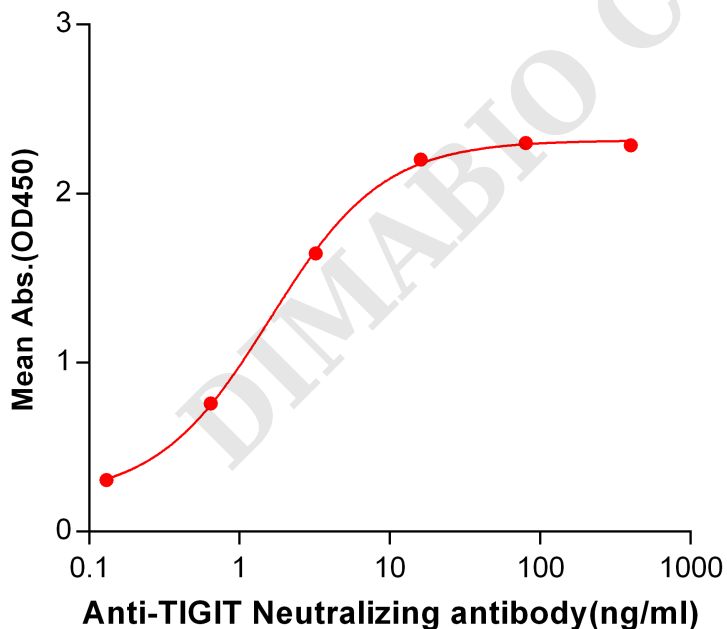


Figure 2. ELISA plate pre-coated by 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) Human TIGIT, mFc tagged protein (PME100505) can bind Anti-TIGIT Neutralizing antibody BME100024 in a linear range of 0.13-16.0 ng/ml.

