

PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| 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.   |
| 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   |



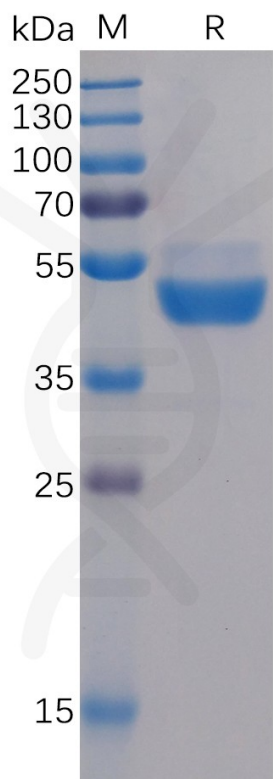


Figure 1. Human TIGIT Protein, mFc Tag on SDS-PAGE under reducing condition.

**Human TIGIT, mFc Tagged protein ELISA**  
0.2 µg of TIGIT, mFc Tagged protein per well

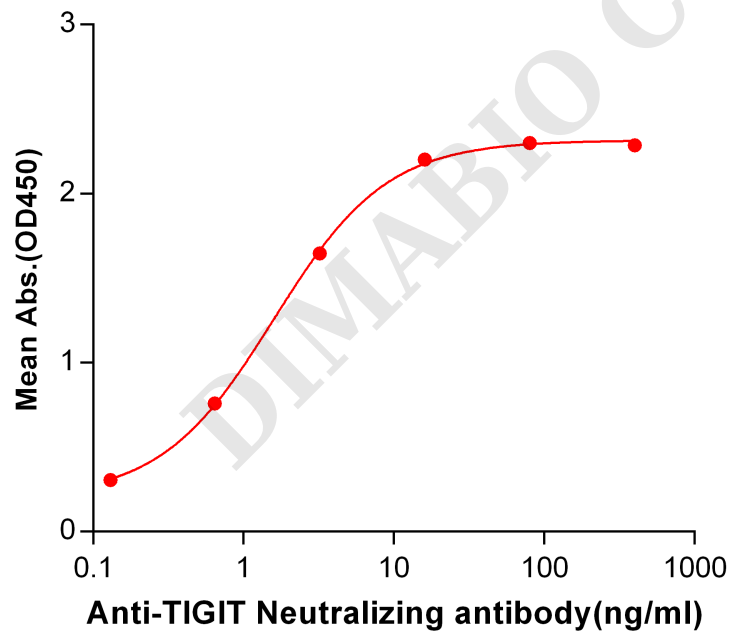


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human TIGIT, mFc tagged protein (PME100505) can bind Anti-TIGIT Neutralizing antibody BME100024 in a linear range of 0.13-16.0 ng/ml.

