

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 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 |



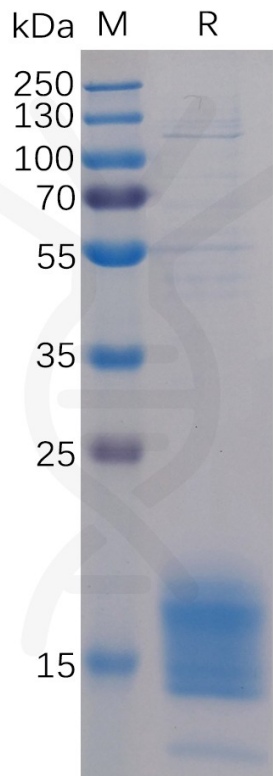


Figure 1. Human TIGIT Protein, His Tag on SDS-PAGE under reducing condition.

Human TIGIT, His Tagged protein ELISA

0.2 µg of TIGIT, His Tagged protein per well

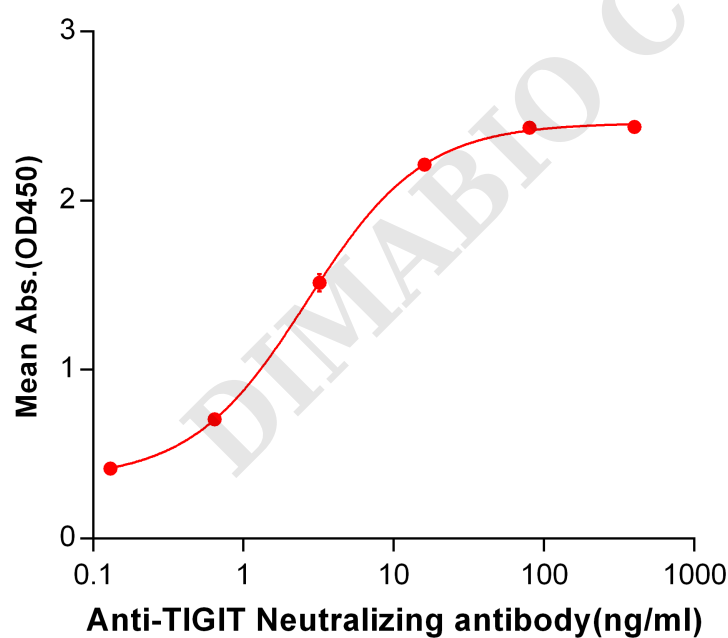


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human TIGIT, His tagged protein (PME100506) can bind Anti-TIGIT Neutralizing antibody BME100024 in a linear range of 0.13-16.0 ng/ml.

