HUMAN TIGIT PROTEIN, HIS TAG

Cat.#: 11309
Product Name: Human TIGIT Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: TIGIT;SIG9;STM3
Target: TIGIT
UNIPROT ID: Q495A1
Description: Recombinant human TIGIT Protein with C-terminal His tag
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.
Species/Host: HEK293
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.
Molecular Characterization: TIGIT(Met22-Pro141) 6×His
Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
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.

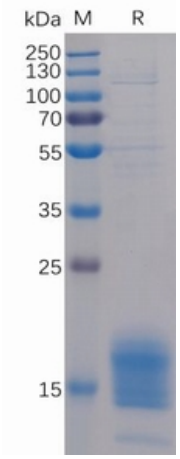

Figure 1. Human TIGIT Protein, His Tag on SDS-PAGE under reducing condition.

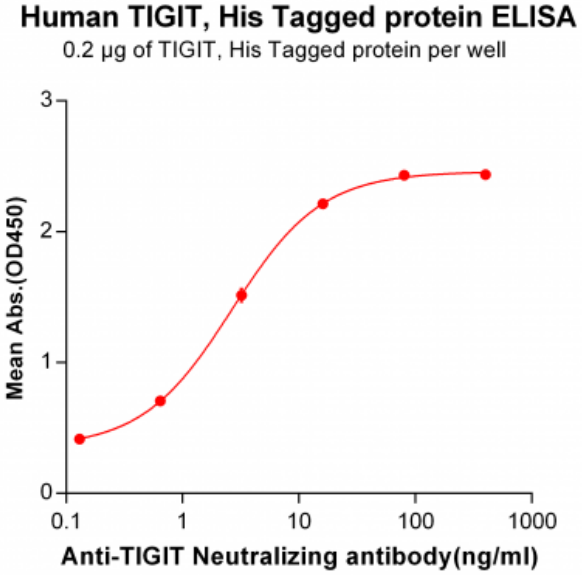

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human TIGIT, His tagged protein (11309) can bind Anti-TIGIT Neutralizing antibody 28033 in a linear range of 0.13-16.0 ng/ml.

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