

HUMAN TIGIT PROTEIN, HFC TAG

货号: 11225

产品全名: 人 TIGIT 蛋白

规格: 10/50/100 µg

基因符号 TIGIT;SIG9;STM3

目标蛋白: TIGIT

UNIPROT ID: Q495A1

描述: Recombinant human TIGIT Protein with C-terminal human Fc tag

背景: 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.

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 39.13 kDa after removal of the signal peptide. The apparent molecular mass of TIGIT-hFc is approximately 40-53 kDa due to glycosylation.

分子特征: TIGIT(Met22-Pro141) hFc(Glu99-Ala330)

纯化: 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.

储存和运输: 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.

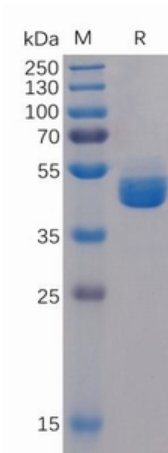


Figure 1. Human TIGIT Protein, hFc Tag on SDS-PAGE under reducing condition.

Human TIGIT, hFc Tagged protein ELISA

0.2 μ g of TIGIT, hFc Tagged protein per well

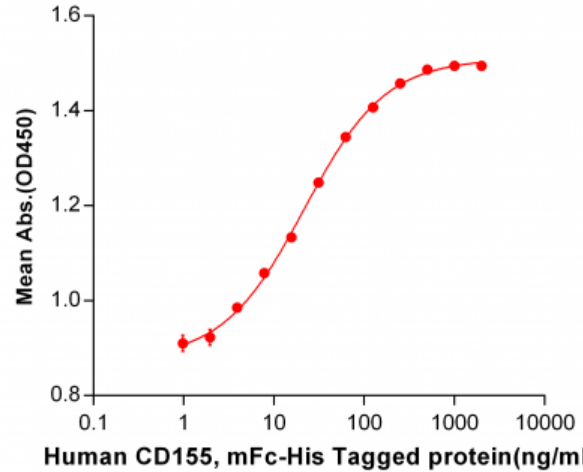


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human CD155, mFc-His tagged protein 11155 can bind Human TIGIT, hFc tagged protein (11225) in a linear range of 1.95-125 ng/ml.

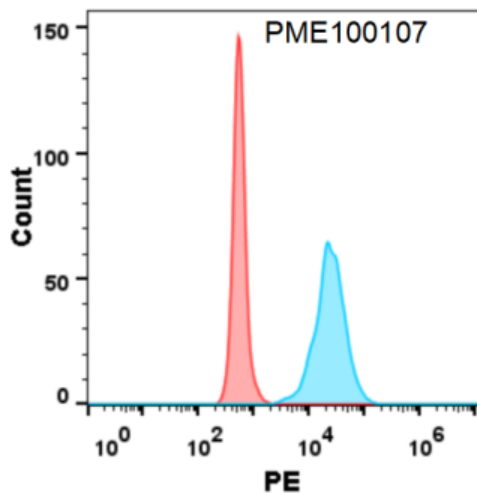


Figure 3. Flow cytometry analysis with 1 μ g/ml Human TIGIT Protein, hFc tag (11225) on Expi293 cells transfected with human CD112 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).