

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

HUMAN TIGIT PROTEIN, HFC TAG

目录: 11225

产品名称: Human TIGIT Protein 规格: 10 µg, 50 µg and 100 µg 基因符号: TIGIT;SIG9;STM3

Target: 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 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 39.13 kDa after removal of the signal peptide. The apparent molecular mass of TIGIT-hFc is approximately 40-53 kDa due to glycosylation.

Molecular Characterization: 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.



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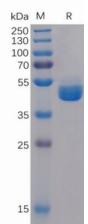


Figure 1. Human TIGIT Protein, hFc Tag on SDS-PAGE under reducing condition.

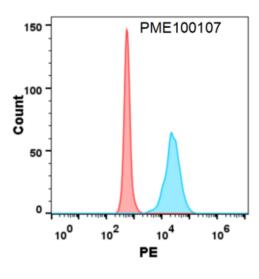
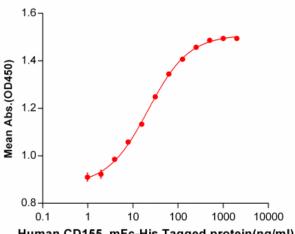


Figure 3. Flow cytometry analysis with lµg/ml Human TIGIT Protein, hFc tag (11225) on Expi293 cells transfected with human CD112 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

Human TIGIT, hFc Tagged protein ELISA





Human CD155, mFc-His Tagged protein(ng/ml)

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 μl/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.