

MOUSE TIGIT PROTEIN, HFC TAG

Cat.#: 12177

Product Name: Mouse TIGIT Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: T-cell immunoreceptor with Ig and ITIM domains;V-set and transmembrane domain-containing protein 3;Vstm3

Target: TIGIT

UNIPROT ID: A0A0B4J1G6

Description: Recombinant mouse TIGIT protein with C-terminal human Fc tag

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.[provided by RefSeq, Sep 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of mTIGIT-hFc is approximately 40-55 kDa due to glycosylation.

Molecular Characterization: Mouse TIGIT(Ile28-Pro139) hFc(Glu99-Ala330)

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.

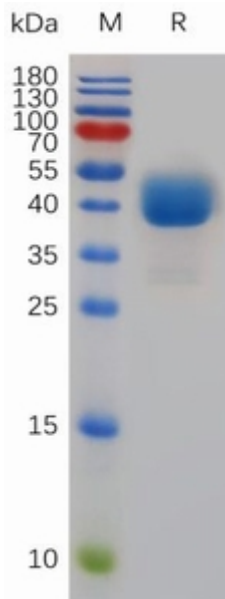


Figure 1. Mouse TIGIT Protein, hFc Tag on SDS-PAGE under reducing condition.