

Datasheet for ABIN2870763

TIGIT Protein (AA 26-143) (Fc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µg
Target:	TIGIT
Protein Characteristics:	AA 26-143
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TIGIT protein is labelled with Fc Tag.

Product Details

Sequence:	AA 26-143
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 40 kDa. The protein migrates as 45-52 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	T-cell immunoreceptor with Ig and ITIM domains (TIGIT) is also known as V-set and

Target Details

immunoglobulin domain-containing protein 9 (VSIG9), V-set and transmembrane domain-containing protein 3 (VSTM3), which belongs to single-pass type I membrane protein containing an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM). TIGIT is expressed at low levels on peripheral memory and regulatory CD4⁺ T-cells and NK cells and is up-regulated following activation of these cells (at protein level). TIGIT binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells.

Molecular Weight: 39.5 kDa

NCBI Accession: [NP_001139797](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

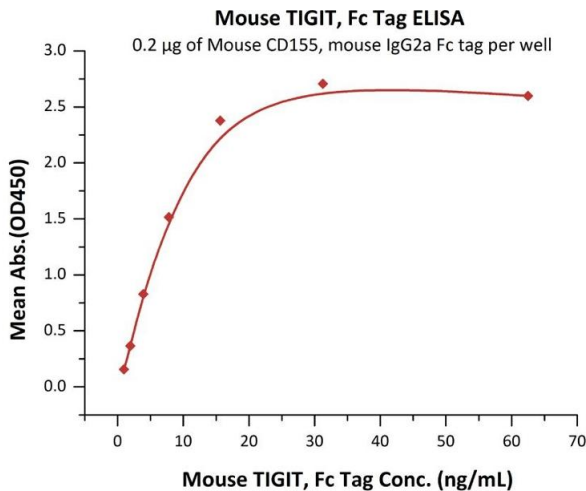
Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

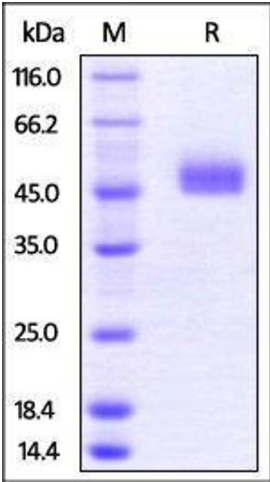
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Mouse CD155, mouse IgG2a Fc tag (ABIN5674647, ABIN6809987) at 2 µg/mL (100 µL/well) can bind Mouse TIGIT, Fc Tag (ABIN2870762, ABIN2870763) with a linear range of 1-16 ng/mL (QC tested).



SDS-PAGE

Image 2. Mouse TIGIT, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.