

Datasheet for ABIN4949062
TIGIT Protein (AA 89-208) (Fc Tag)



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2 Images

Overview

Quantity:	50 µg
Target:	TIGIT
Protein Characteristics:	AA 89-208
Origin:	Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TIGIT protein is labelled with Fc Tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 89-208
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 40-50 kDa under reducing (R) condition, and 80-116 kDa under non-reducing (NR) 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
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Target Details

Alternative Name: [TIGIT \(TIGIT Products\)](#)

Background: T-cell immunoreceptor with Ig and ITIM domains (TIGIT) is also known as V-set and 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: 39.9 kDa

Gene ID: 18, 17

NCBI Accession: [XP_015300911](#)

UniProt: [G7NXM4](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

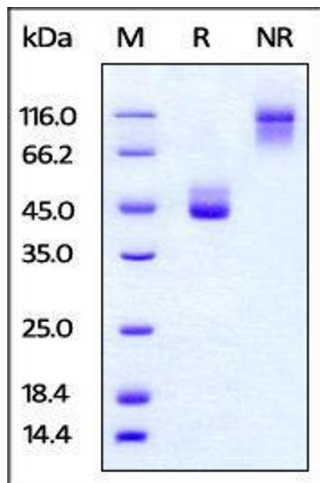
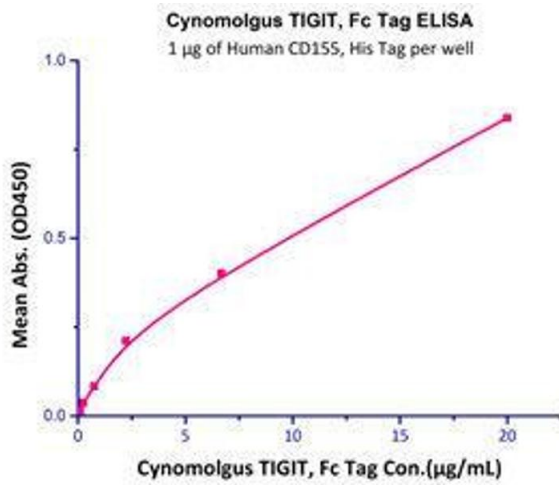
Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



Binding Studies

Image 1. Immobilized Human CD155, His Tag (Cat# CD5-H5223) at 10 µg/mL (100 µl/well) can bind Cynomolgus TIGIT, Fc Tag (Cat# TIT-C5254) with a linear range of 0.2-20 µg/mL.

SDS-PAGE

Image 2. Cynomolgus TIGIT, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.