

Datasheet for ABIN4949059

TIGIT Protein (AA 89-208) (His tag)**3** Images[Go to Product page](#)

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 His tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 89-208
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.2 kDa. The protein migrates as 20-23 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>90 % 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)

Target Details

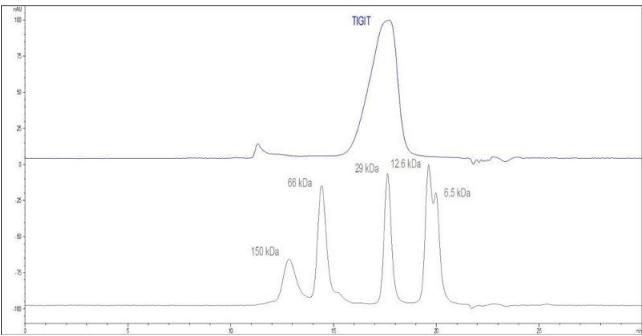
Background:	T-cell immunoreceptor with Ig and ITIM domains (TIGIT) is also known as V-set and immunoglobulin domain-containing protein 9 (VSIG9), V-set and transmembrane domain-containing protein 3 (VSTM3), which belongs to single-pass type I membrane protein containing an immunoglobulin variable domain, 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:	15.2 kDa
NCBI Accession:	XP_015300911
UniProt:	G7NXM4
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

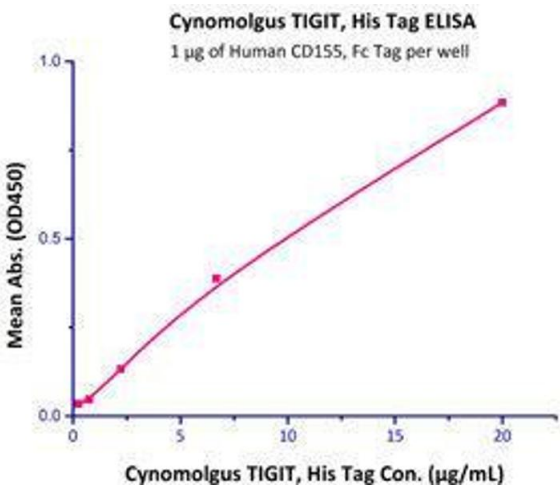
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



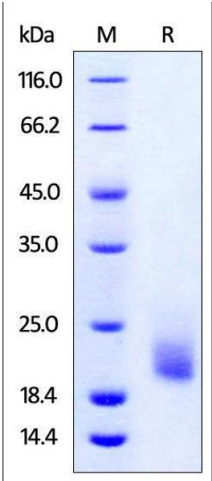
High Pressure Liquid Chromatography

Image 1. The purity of Cynomolgus / Rhesus macaque TIGIT, His Tag (ABIN4949059,ABIN4949060) was greater than 90 % as determined by .



Binding Studies

Image 2. Immobilized Human CD155, Fc Tag (Cat# CD5-H5251) at 10 µg/mL (100 µl/well) can bind Cynomolgus TIGIT, Fc Tag (Cat# TIT-C5223) with a linear range of 0.7-20 µg/mL.



SDS-PAGE

Image 3. Cynomolgus TIGIT, His 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%.