

Datasheet for ABIN7275728
TIGIT Protein (AA 22-141) (His tag)

6 Images

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Overview

Quantity:	100 µg
Target:	TIGIT
Protein Characteristics:	AA 22-141
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIGIT protein is labelled with His tag.

Product Details

Purpose:	Human TIGIT Protein
Sequence:	Met22-Pro141
Characteristics:	Recombinant Human TIGIT Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Met22-Pro141.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human TIGIT, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TIGIT Antibody, hFc Tag with the EC50 of 18ng/ml determined by ELISA. The affinity constant of 0.17µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	TIGIT, also called Vstm3, Vsig9, and WUCAM, is a transmembrane protein in the CD28 family of the Ig superfamily proteins.IGIT 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.
Molecular Weight:	14 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

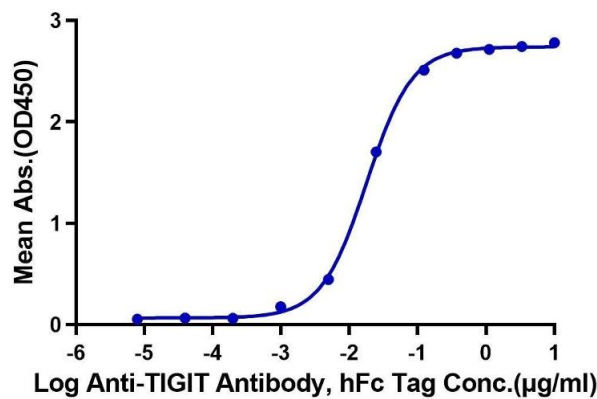
Application Details

Restrictions:	For Research Use only
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Handling

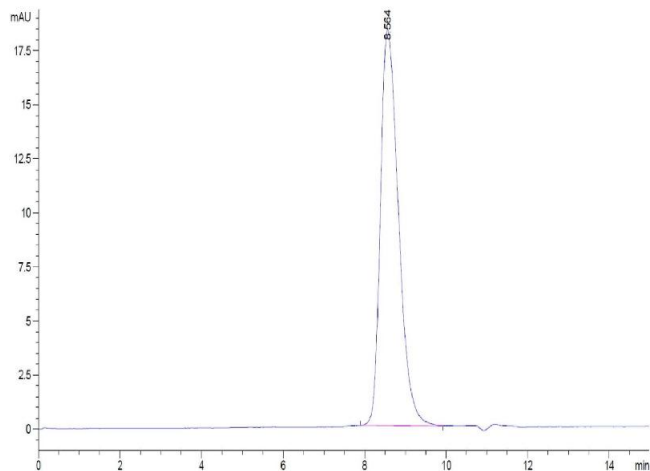
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human TIGIT, His Tag ELISA
0.05µg Human TIGIT, His Tag Per Well



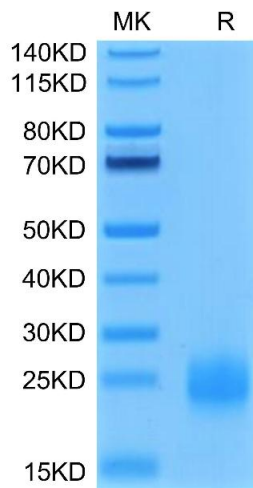
ELISA

Image 1. Immobilized Human TIGIT, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TIGIT Antibody, hFc Tag with the EC₅₀ of 18 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human TIGIT is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human TIGIT on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7275728.