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TIGIT Protein (His-Avi Tag, Biotin)





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Overview

Quantity:	100 μg
Target:	TIGIT
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIGIT protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	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 Biotinylated Human TIGIT, His Tag at 0.5µg/ml (100µl/well) on the streptavidin
	precoated plate (5µg/ml). Dose response curve for Human CD155, hFc Tag with the EC50 of
	8.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	TIGIT, VSIG9, VSTM3, WUCAM, TIGIT, also called Vstm3, Vsig9, and WUCAM, is a
	transmembrane protein in the CD28 family of the Ig superfamily proteins. TIGIT is expressed at

Target Details

	low levels on peripheral memory and regulatory CD4 T-cells and NK cells and is up-regulated following activation of these cells.
Molecular Weight:	16.1 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Tris-Bis PAGE result.
UniProt:	Q495A1
Pathways:	Cancer Immune Checkpoints

Application Details

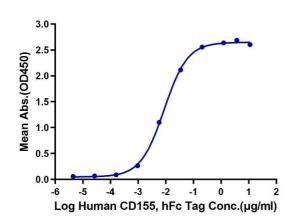
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

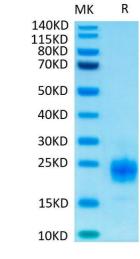
Images

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



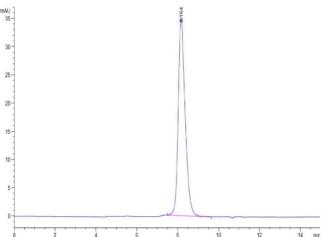
ELISA

Image 1. Immobilized Biotinylated Human TIGIT, His Tag at 0.5 μ g/mL (100 μ L/well) on the streptavidin precoated plate (5 μ g/mL). Dose response curve for Human CD155, hFc Tag with the EC50 of 8.7 ng/mL determined by ELISA.



SDS-PAGE

 $\label{lem:mage 2.} \textbf{Biotinylated Human TIGIT on Tris-Bis PAGE under} \\ \textbf{reduced condition. The purity is greater than 95 \%} \, .$



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human TIGIT is greater than 95 % as determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7275730.