

Datasheet for ABIN7275732
TIGIT Protein (AA 26-143) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	TIGIT
Protein Characteristics:	AA 26-143
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIGIT protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse TIGIT Protein
Sequence:	Gly26-Thr143
Characteristics:	Recombinant Mouse TIGIT Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly26-Thr143.
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 Mouse CD155, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.42µg/ml determined by ELISA. See testing image for detail.

Target Details

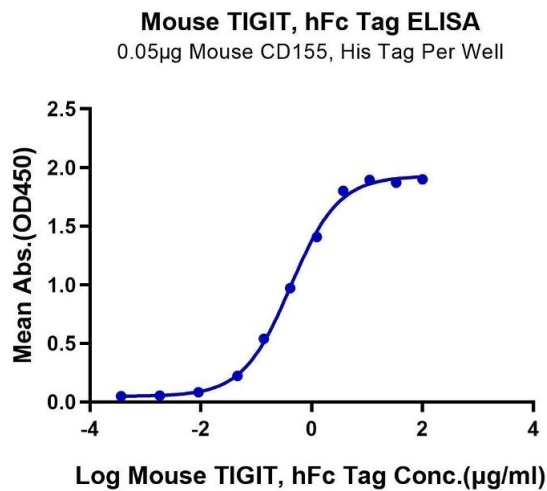
Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	TIGIT, also called Vstm3, Vsig9, and WUCAM, is a transmembrane protein in the CD28 family of the Ig superfamily proteins.IGIT is expressed at low levels on peripheral memory and regulatory CD4 T-cells and NK cells and is up-regulated following activation of these cells.
Molecular Weight:	39.7 kDa. Due to glycosylation, the protein migrates to 48-57 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001139797
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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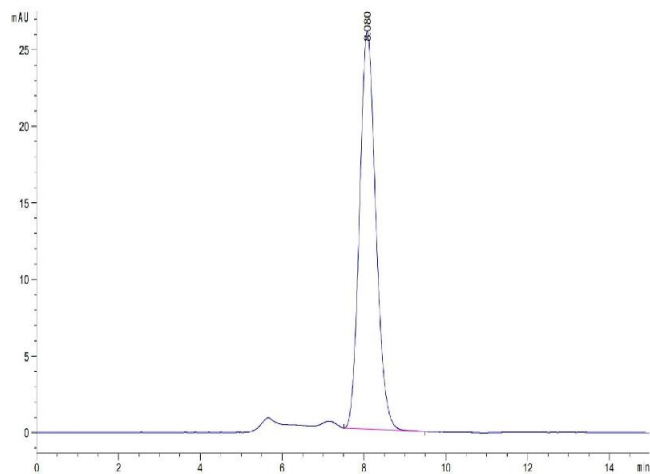
Handling

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



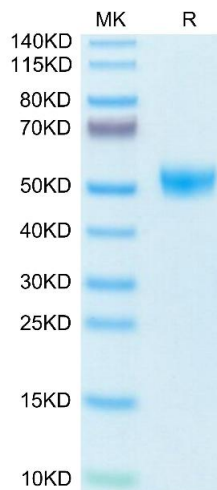
ELISA

Image 1. Immobilized Mouse CD155, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.42 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

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