

Datasheet for ABIN7274681

TNFSF18 Protein (Trimer) (His-DYKDDDDK Tag)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	TNFSF18
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF18 protein is labelled with His-DYKDDDDK Tag.

Product Details

Sequence:	Gln50-Ser177
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 GITR Ligand Trimer, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human GITR, hFc Tag with the EC50 of 8.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	TNFSF18
Alternative Name:	GITR Ligand (TNFSF18 Products)

Target Details

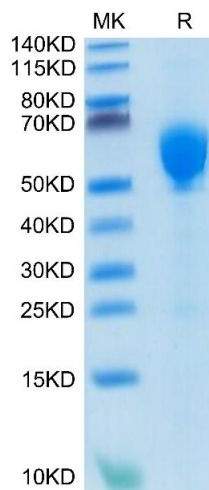
Background:	TNFSF18, AITRL, TL6, GITRL, GITR Ligand, Glucocorticoid-induced TNFR-related protein (TNFRSF18, GITR, CD357), expressed by T cells, and its ligand (TNFSF18, GITRL), expressed by myeloid populations, provide co-stimulatory signals that boost T cell activity. Due to the important role that GITR plays in regulating immune functions, agonistic stimulation of GITR is a promising therapeutic concept.
Molecular Weight:	47.5 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q9UNG2

Application Details

Restrictions:	For Research Use only
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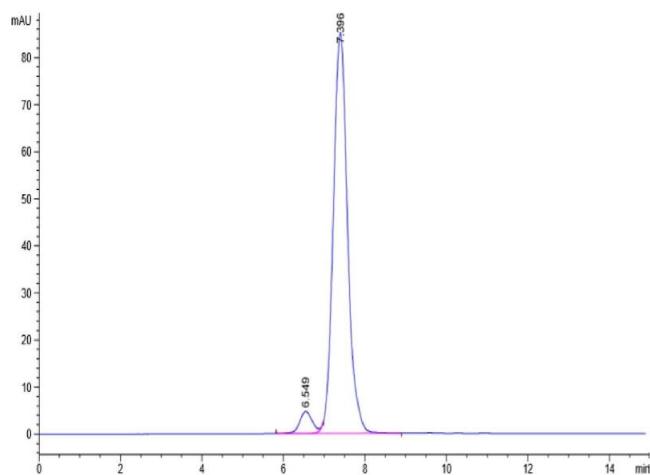
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/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



SDS-PAGE

Image 1. Human GITR Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

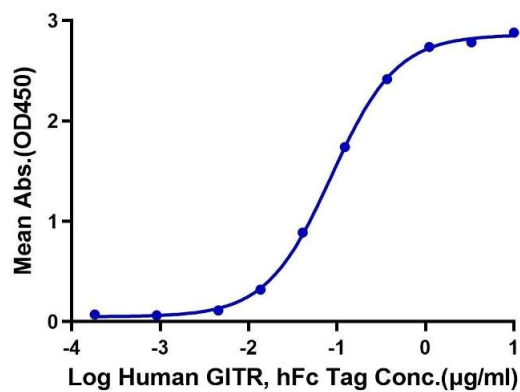


Size-exclusion chromatography-High Pressure Liquid Chromatography

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

Human GITR Ligand Trimer, His Tag ELISA

0.2µg Human GITR Ligand Trimer, His Tag Per Well



ELISA

Image 3. Immobilized Human GITR Ligand Trimer, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human GITR, hFc Tag with the EC50 of 8.7 ng/mL determined by ELISA.