

Datasheet for ABIN7274785

TNFRSF18 Protein (AA 20-156) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFRSF18
Protein Characteristics:	AA 20-156
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF18 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus GITR/TNFRSF18 Protein
Sequence:	Gln20-Pro156
Characteristics:	Recombinant Cynomolgus GITR/TNFRSF18 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln20-Pro156.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus GITR, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GITR Antibody, hFc Tag with the EC50 of 7.6ng/ml determined by ELISA. The affinity constant of 0.21 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	TNFRSF18
Alternative Name:	GITR (TNFRSF18 Products)
Background:	GITR (glucocorticoid-induced tumor necrosis factor receptor), also known as AITR and TNFRSF18, is a 40 kDa transmembrane glycoprotein that functions in immune regulation. GIRT is a receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway.
Molecular Weight:	15.87 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005545180
Pathways:	Cancer Immune Checkpoints

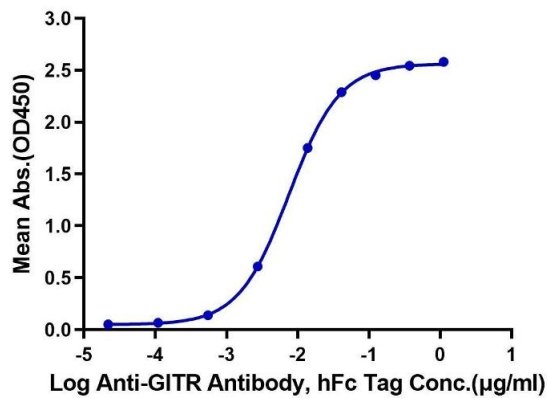
Application Details

Restrictions:	For Research Use only
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Handling

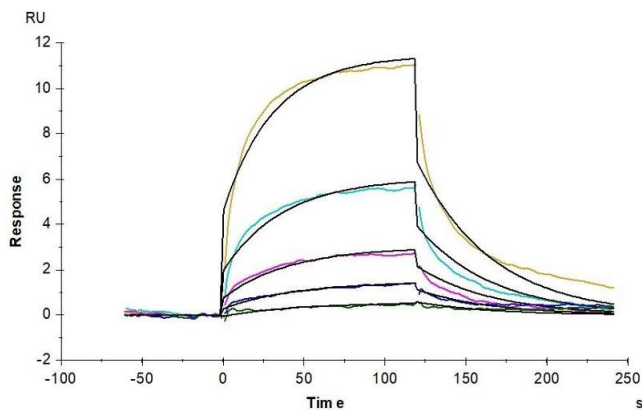
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Cynomolgus GITR, His Tag ELISA
0.05µg Cynomolgus GITR, His Tag Per Well



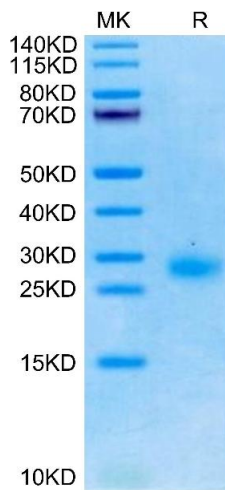
ELISA

Image 1. Immobilized Cynomolgus GITR, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-GITR Antibody, hFc Tag with the EC50 of 7.6 ng/mL determined by ELISA.



Surface Plasmon Resonance

Image 2. Cynomolgus GITR Ligand, His Tag immobilized on CM5 Chip can bind Cynomolgus GITR, His Tag with an affinity constant of 0.21 µM as determined in SPR assay (Biacore T200).



SDS-PAGE

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