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Datasheet for ABIN7274679 TNFSF18 Protein (Trimer) (Fc Tag)

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 Fc Tag.

Product Details

Purpose:	Human GITR Ligand/TNFSF18 Trimer Protein
Sequence:	GIn50-Ser177
Characteristics:	Recombinant Human GITR Ligand/TNFSF18 Trimer Protein is expressed from HEK293 with monomeric hFc tag at the N-Terminus.It contains 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:	The affinity constant of 4.76 nM as determined in SPR assay (Biacore T200). See testing image for detail.

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Target Details	
Target:	TNFSF18
Alternative Name:	GITR Ligand (TNFSF18 Products)
Background:	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:	70.2 kDa. Due to glycosylation, the protein migrates to 75-85 kDa based on Tris-Bis PAGE result.
UniProt:	Q9UNG2
Application Details	
Restrictions:	For Research Use only
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

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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.

Surface Plasmon Resonance

Image 3. Human GITR, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human GITR Ligand (Trimer), hFc Tag with an affinity constant of 4.76 nM as determined in SPR assay (Biacore T200).

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