Datasheet for ABIN5954942

TNFSF18 Protein (AA 50-177) (AVI tag,Fc Tag,Biotin)

2 Images

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Overview

Quantity:	200 µg
Target:	TNFSF18
Protein Characteristics:	AA 50-177
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF18 protein is labelled with AVI tag,Fc Tag,Biotin.

Product Details

Sequence:	AA 50-177
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFSF18
Alternative Name:	GITR Ligand (TNFSF18 Products)
Background:	Tumor necrosis factor ligand superfamily member 18 (TNFSF18) is also known as

Target Details

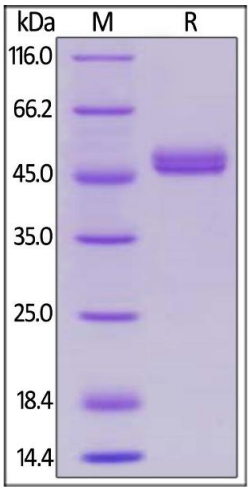
	Glucocorticoid - induced TNF-related ligand (GITRL or GITR Ligand), Activation - inducible TNF - related ligand (AITRL), which belongs to the tumor necrosis factor family. TNFSF18 is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18 / GITRL is up-regulated after stimulation by bacterial lipopolysaccharides (LPS). TNFSF18 Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. TNFSF18 / GITR Ligand is important for interactions between activated T-lymphocytes and endothelial cells. TNFSF18 also mediates activation of NF-kappa-B.
Molecular Weight:	43.5 kDa
NCBI Accession:	NP_005083

Application Details

Comment:	Ready-to-use AvitagTM biotinylated protein: The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA. This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.
Restrictions:	For Research Use only

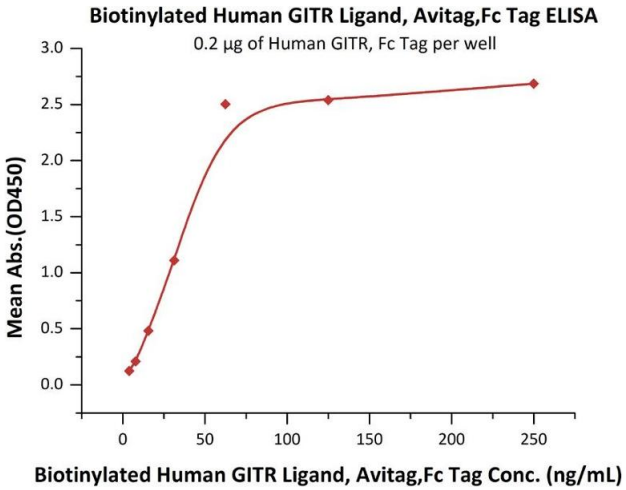
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



SDS-PAGE

Image 1. Biotinylated Human GITR Ligand, Avitag,Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

Image 2. Immobilized Human GITR, Fc Tag (ABIN5954929,ABIN6253604) at 2 μg/mL (100 μL/well) can bind Biotinylated Human GITR Ligand, Avitag,Fc Tag (ABIN5954942,ABIN6253603) with a linear range of 4-63 ng/mL (QC tested).