

Datasheet for ABIN6973077

TNFRSF18 Protein (AA 26-161) (His tag,AVI tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	TNFRSF18
Protein Characteristics:	AA 26-161
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF18 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	Biotinylated Human GITR / TNFRSF18 Protein, His,Avitag™ (MALS verified)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFRSF18
Alternative Name:	GITR (TNFRSF18 Products)
Background:	Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor

Target Details

receptor superfamily member 18 (TNFRSF18), activation-inducible TNFR family receptor (AITR), CD antigen CD357, which is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is receptor for TNFSF18, which seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR also mediated NF-kappa-B activation via the TRAF2/NIK pathway.

Molecular Weight: 18.1 kDa

NCBI Accession: [NP_004186](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: MALS verified

Comment: Ready-to-use Avitag™ biotinylated protein:
The product is exclusively produced using the Avitag™ 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.

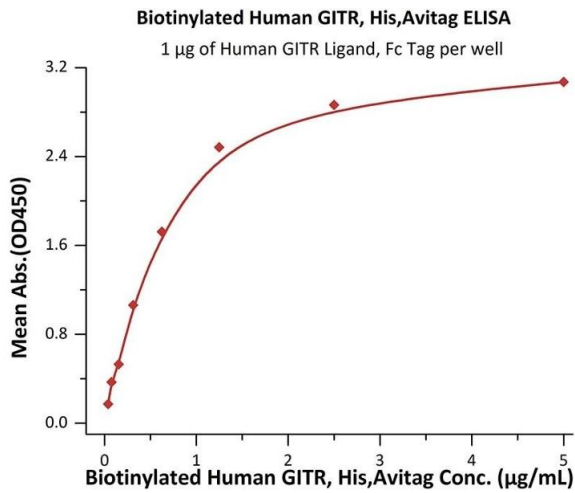
Restrictions: For Research Use only

Handling

Format: Lyophilized

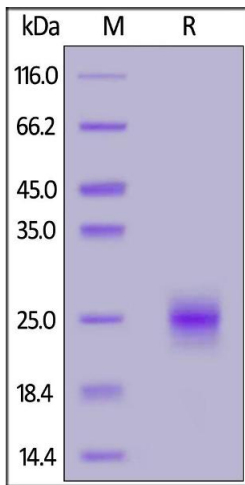
Buffer: PBS, pH 7.4

Storage: -20 °C



ELISA

Image 1. Immobilized Human GITR Ligand, Fc Tag at 10 µg/mL (100 µL/well) can bind Biotinylated Human GITR, His,Avitag (ABIN6973077) with a linear range of 0.2-8 ng/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human GITR, His,Avitag™ on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.