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Datasheet for ABIN2181162

TNFRSF18 Protein (AA 26-161) (His tag)

2 Images

Overview

Quantity:	100 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.

Product Details

Sequence:	AA 26-161
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.4 kDa. The protein migrates as 22-25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>92 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFRSF18
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Target Details

Alternative Name: [GITR \(TNFRSF18 Products\)](#)

Background: Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor 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: 16.4 kDa

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

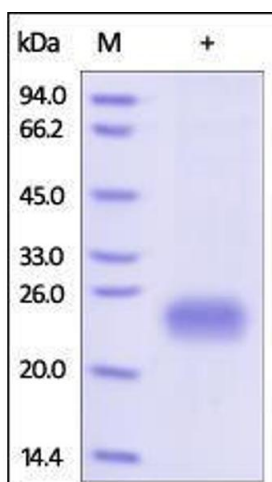
Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

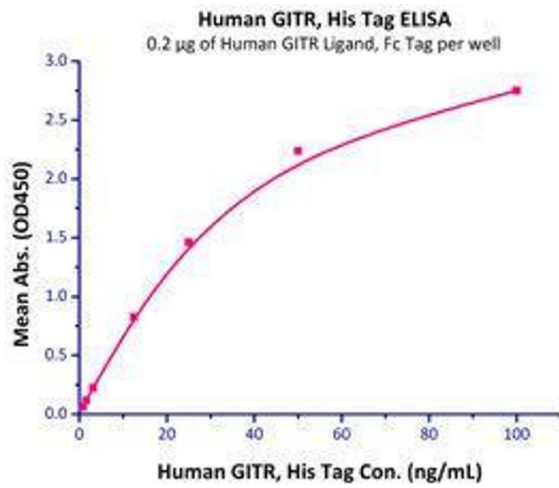
Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Images



SDS-PAGE

Image 1. Human GITR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.



Binding Studies

Image 2. Immobilized Human GTR, His Tag (Cat# GIR-H5228) at 2 µg/mL (100 µl/well) can bind Human GTR Ligand, Fc Tag (Cat# GIL-H526a) with a linear range of 0.8-25 ng/mL.