

Datasheet for ABIN4949171
TNFSF18 Protein (AA 47-173) (Fc Tag)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	TNFSF18
Protein Characteristics:	AA 47-173
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF18 protein is labelled with Fc Tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 47-173
Characteristics:	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 41.4 kDa. As a result of glycosylation, the protein migrates as 45 kDa under reducing (R) condition, and 80-100 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFSF18
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Target Details

Alternative Name: GITR Ligand ([TNFSF18 Products](#))

Background: Tumor necrosis factor ligand superfamily member 18 (TNFSF18) is also known as 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: 41.4 kDa

Application Details

Restrictions: For Research Use only

Handling

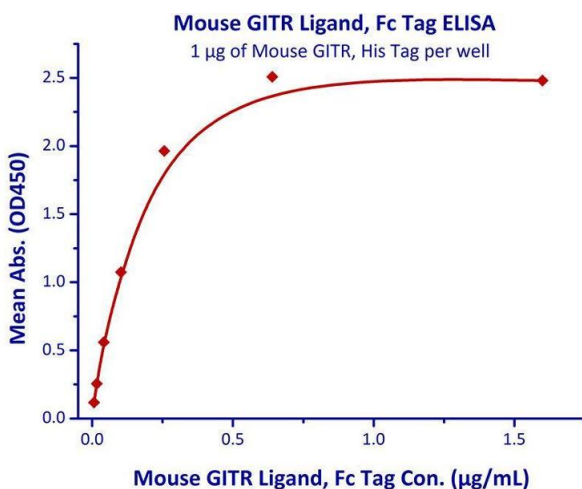
Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

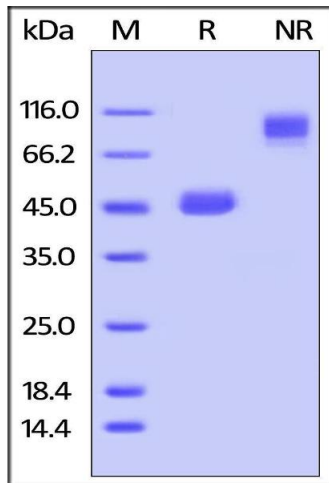
Storage: -20 °C

Images



Binding Studies

Image 1. Immobilized Mouse GITR, His Tag with a linear range of 0.007-0.256 µg/mL.



SDS-PAGE

Image 2. Mouse GITR Ligand / TNFSF18, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.