

Synonym

TNFSF18,AITRL,TL6,hGITRL,GITR Ligand

Source

Mouse GITR Ligand, Fc Tag(GIL-M526x) is expressed from human 293 cells (HEK293). It contains AA Thr 47 - Ser 173 (Accession # [AAO89011](#)).

Molecular Characterization

Fc(Thr 106 - Lys 330) P01857	GITR Ligand(Thr 47 - Ser 173) AAO89011
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This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 41.4 kDa. The protein migrates as 45 kDa under reducing (R) condition, and 80-100 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

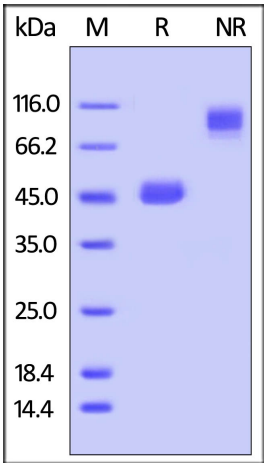
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



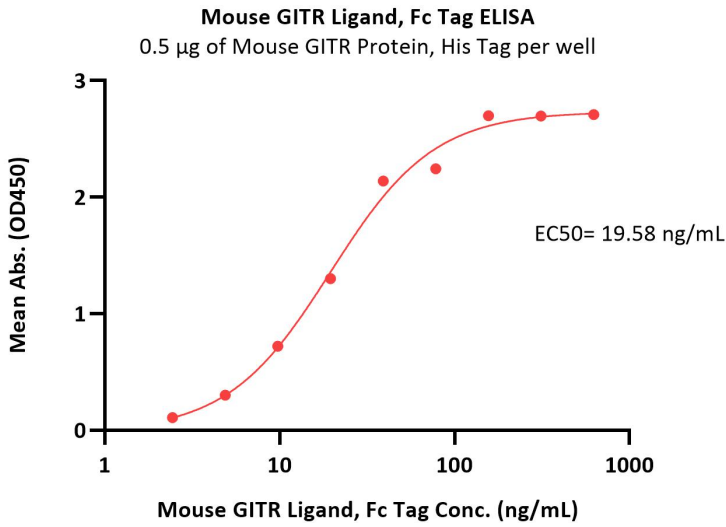
Mouse GITR Ligand, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Mouse GITR Ligand / TNFSF18 Protein, Fc Tag

Catalog # GIL-M526x



Immobilized Mouse GITR Protein, His Tag (Cat. No. GIR-M52H3) at 5 µg/mL (100 µL/well) can bind Mouse GITR Ligand, Fc Tag (Cat. No. GIL-M526x) with a linear range of 2-39 ng/mL (QC tested).

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.

Discounts, Gifts,
and more!

