

GITR Ligand/TNFSF18 Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	GITRL;TNFSF18;Activation-inducible TNF-related ligand;AITRL;Glucocorticoid-induced TNF-related ligand;TL6;Tumor necrosis factor ligand superfamily member 18
Protein Construction:	Glu74-Ser199
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5UCD9
Molecular Weight:	15-20 KDa (reducing condition)
AA Sequence:	Glu74-Ser199

QC Testing

Biological Activity:	Immobilized Human GITR-mFc at 5µg/ml (100 µl/well) can bind Cynomolgus GITR Ligand-His . The ED50 of Recombinant Cynomolgus GITR Ligand-His is 632 ng/ml. (Regularly tested)
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

TNFSF18 is a single-pass type II membrane protein. It is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18 cytokine binds to TNFRSF18/AITR/GITR. It regulates T-cell responses, and functions as costimulator and lower the threshold for T-cell activation and T-cell proliferation. It is Important for interactions between activated T-lymphocytes and endothelial cells and Promotes leukocyte adhesion to endothelial cells. TNFSF18 mediates activation of NF-kappa-B. As Triggers increased phosphorylation of STAT1

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and up-regulates expression of VCAM1 and ICAM1. It also regulates migration of monocytes from the splenic reservoir to sites of inflammation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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