Biotinylated Recombinant Human TNFSF18/GITR Ligand Trimer Protein (Primary Amine Labeling)

Catalog No.: RP02600B

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Sequence Information

Species	Gene ID
Human	8995
Swiss Prot	**Tags**
Q9UNG2	N-His&Flag

Synonyms
TNFSF18; AITRL; TL6; GITRL; GITR Ligand

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.
Calculated MW	**Observed MW**
47.5 kDa	50-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Glucocorticoid-induced TNFR-related protein (TNFRSF18, GITR, CD357), expressed by T cells, and its ligand (TNFSF18, GITRL), expressed by myeloid populations, provide co-stimulatory signals that boost T cell activity. Due to the important role that GITR plays in regulating immune functions, agonistic stimulation of GITR is a promising therapeutic concept .

Basic Information

Description
Biotinylated Recombinant Human GITR Ligand/TNFSF18 Trimer Protein (Primary Amine Labeling) is expressed from Expi293 with His tag and flag tag at the N-terminal.; It contains Gln50-Ser177.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

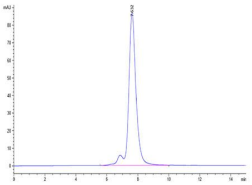
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

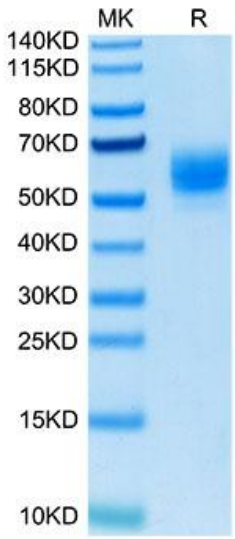
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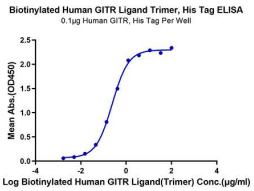
Validation Data



The purity of Biotinylated Human GITR Ligand Trimer is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human TNFSF18/GITR Ligand Trimer Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human GITR, His Tag at 1μg/ml (100μl/Well). Dose response curve for Biotinylated Human GITR Ligand Trimer, His Tag with the EC_{50} of 0.2μg/ml determined by ELISA.