

# Human CellExp™ GITR Ligand / TNFSF18 Fc Tag, Mouse recombinant

**CATALOG NO:** P1126-10 10 µg  
P1126-50 50 µg

**ALTERNATE NAMES:** TNFSF18, AITRL, TL6, hGITRL, GITR Ligand

**SOURCE:** HEK 293 cells (Thr 47 – Ser 173)

**PURITY:** > 95% by SDS – PAGE

**MOL. WEIGHT:** 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 on SDS-PAGE gel.

**ENDOTOXIN LEVEL:** < 1.0 EU per 1µg of protein (determined by LAL method)

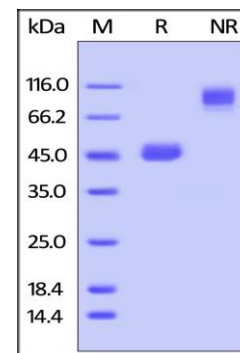
**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.

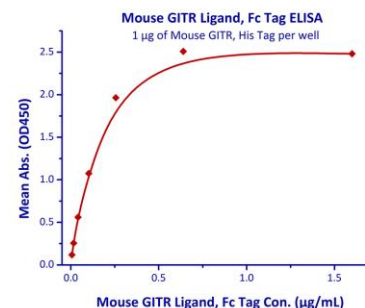
**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.

**DESCRIPTION:** 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.



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%



Immobilized Mouse GITR, His Tag at 10µg/mL (100 µL/well) can bind Mouse GITR Ligand, Fc Tag with a linear range of 0.007-0.256 µg/mL.

## RELATED PRODUCT:

- Human CellExp™ CCL6, mouse recombinant (Cat. No. 7226-10, -50)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**