

## HUMAN GITR LIGAND PROTEIN, MFC-HIS TAG

**Cat.#:** 11148

**Product Name:** Human GITR Ligand Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** TNFSF18;AITRL;TL6;hGITRL;GITR Ligand

**Target:** GITR Ligand

**UNIPROT ID:** Q9UNG2

**Description:** Recombinant human GITR Ligand protein with N-terminal mouse Fc and C-6xHis tag

**Background:** The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 46–53 kDa after removal of the signal peptide.

**Molecular Characterization:** mFc(Pro99–Lys330) GITR Ligand(Gln50–Ser177) 6×His

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

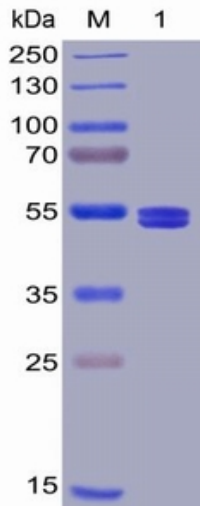


Figure 1. Human GITR Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

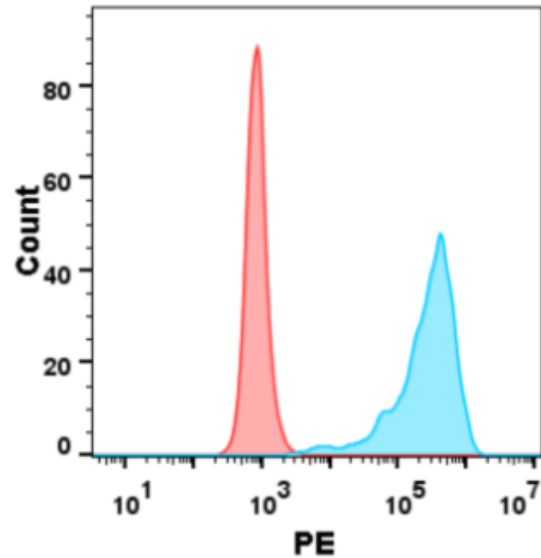


Figure 2. Flow cytometry analysis with 1  $\mu$ g/ml Human GITRL Protein, mFc-His tag (11148) on Expi293 cells transfected with human GITR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).