

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 TNFSF18/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.

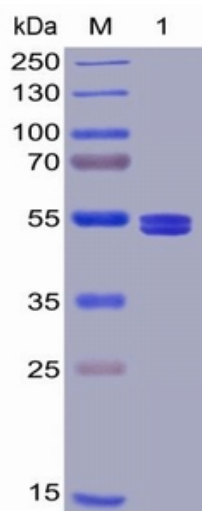


Figure 1. Human GITR Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

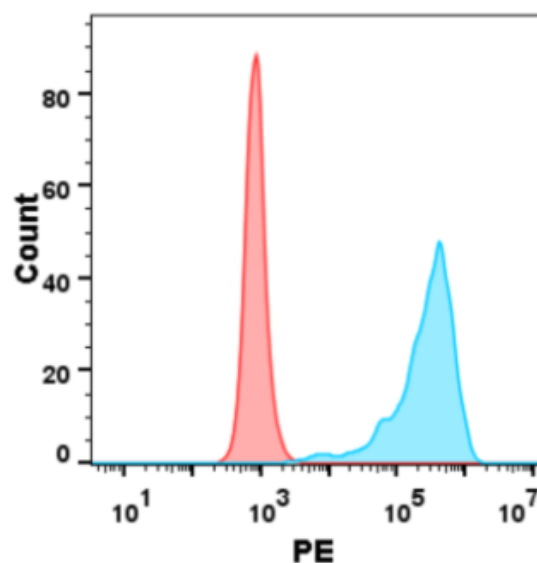


Figure 2. Flow cytometry analysis with 1 μ g/ml Human GITRL Protein, mFc-His tag (11148) on Expi293 cells transfected with human GITR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).