

HUMAN GITR LIGAND PROTEIN, HIS TAG

Cat.#: 11288

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 C-terminal His 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 15.3 kDa after removal of the signal peptide.

Molecular Characterization: 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.

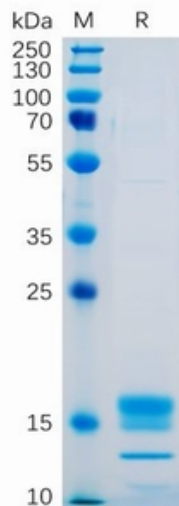


Figure 1. Human GITR Ligand Protein, His Tag on SDS-PAGE under reducing condition.

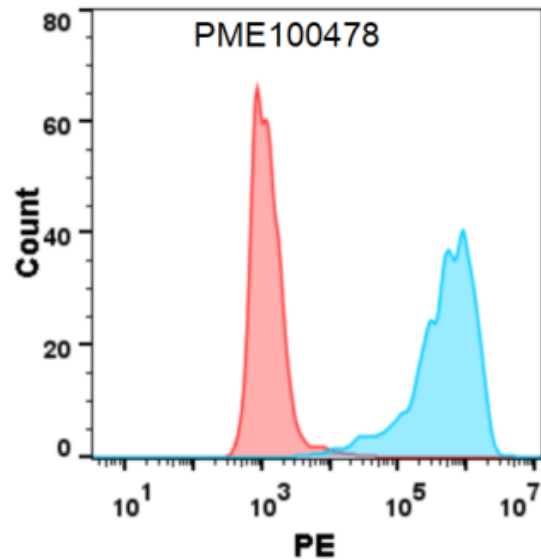


Figure 2. Flow cytometry analysis with 1 $\mu\text{g/ml}$ Human GITR Ligand Protein, His tag (11288) on Expi293 cells transfected with human GITR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).