

## PRODUCT INFORMATION

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target</b>                           | GITR Ligand                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>                         | TNFSF18;AITRL;TL6;hGITRL;GITR Ligand                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>                      | Recombinant human GITR Ligand protein with C-terminal His tag                                                                                                                                                                                                                                                                                                                                                     |
| <b>Delivery</b>                         | In Stock                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Uniprot ID</b>                       | Q9UNG2                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Expression Host</b>                  | HEK293                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tag</b>                              | C-6×His Tag                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Characterization</b>       | GITR Ligand(Gln50-Ser177) 6×His                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 15.3 kDa after removal of the signal peptide.                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                                                                                                                              |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                                                                                                                                                                   |
| <b>Storage &amp; Shipping</b>           | 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.                                                                                                                                                               |
| <b>Background</b>                       | 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. |
| <b>Usage</b>                            | Research use only                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugate</b>                        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                      |



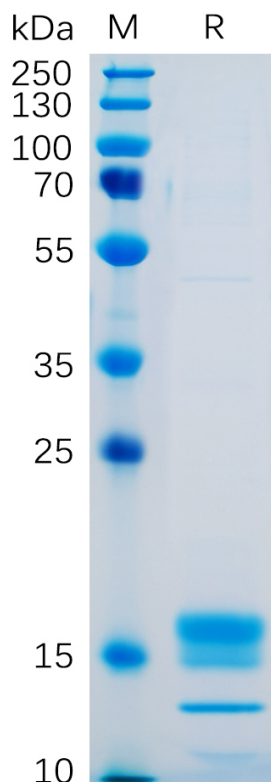


Figure 1. Human GITR Ligand Protein, His Tag on SDS-PAGE under reducing condition.

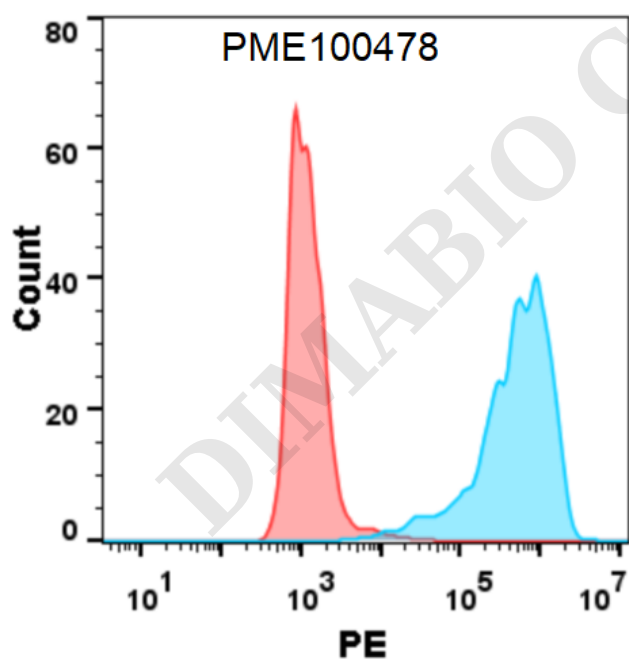


Figure 2. Flow cytometry analysis with 1  $\mu\text{g}/\text{mL}$  Human GITR Ligand Protein, His tag (PME100478) on Expi293 cells transfected with human GITR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

