HUMAN GITR PROTEIN, HFC-HIS TAG

Cat.#: 11146
Product Name: Human GITR Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: AITR;GITR;TNFRSF18;CD357
Target: GITR
UNIPROT ID: Q9Y5U5
Description: Recombinant human GITR protein with C-terminal human Fc and 6xHis tag
Background: This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25( )CD4( ) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 51-52 kDa after removal of the signal peptide.
Molecular Characterization: GITR(Gln26-Pro162) hFc(Glu99-Ala330) 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.

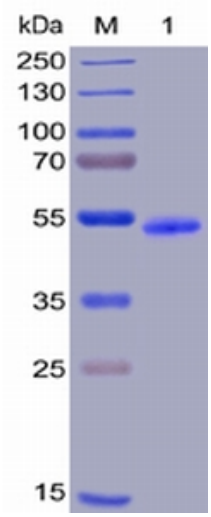

Figure 1. Human GITR Protein, hFc-His Tag on SDS-PAGE under reducing condition.

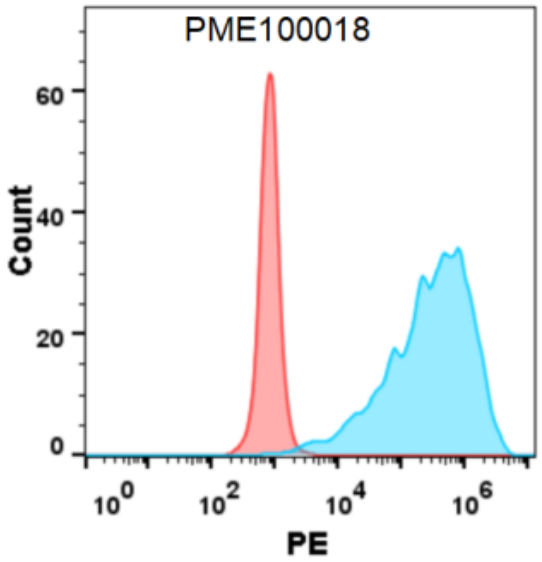

Figure 2. Flow cytometry analysis with 1 μg/ml Human GITR Protein, hFc-His tag (11146) on Expi293 cells transfected with human GITRL (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).