PRODUCT INFORMATION

Target	GITR
Synonyms	AITR;GITR;TNFRSF18;CD357
Description	Recombinant human GITR protein with C-terminal human Fc and 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y5U5
Expression Host	HEK293
Tag	C-Human Fc and 6×His Tag
Molecular Characterization	GITR(Gln26-Pro162) hFc(Glu99-Ala330) 6×His
Molecular Weight	The protein has a predicted molecular mass of 51-52 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
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.
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.
Usage	Research use only
Conjugate	Unconjugated

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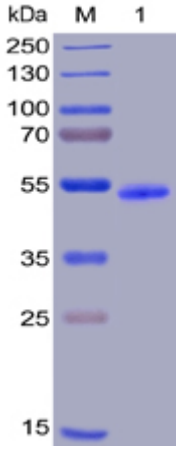


Figure 1. Human GITR Protein, hFc-His Tag on SDS-PAGE under reducing condition.

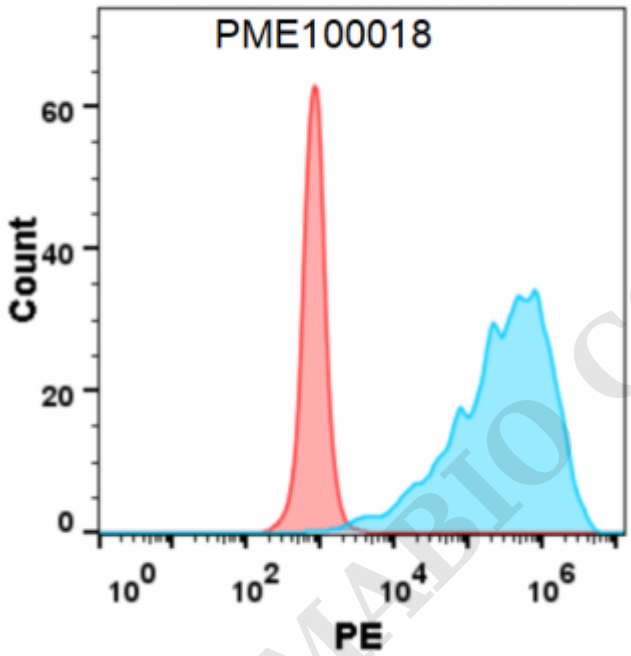


Figure 2. Flow cytometry analysis with 1 μg/mL Human GITR Protein, hFc-His tag (PME100018) on HEK293 cells transfected with human GITRL (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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