

PRODUCT INFORMATION

Target	GITR
Synonyms	AITR;GITR;TNFRSF18;CD357
Description	Recombinant human GITR protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	Q9Y5U5
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	GITR(Gln26-Pro162) mFc(Pro99-Lys330) 6×His
Molecular Weight	The protein has a predicted molecular mass of 50-52 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



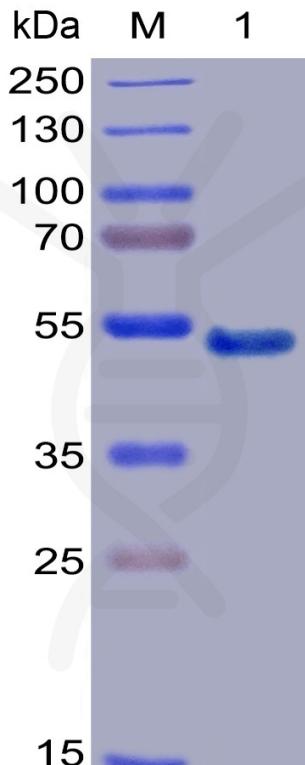
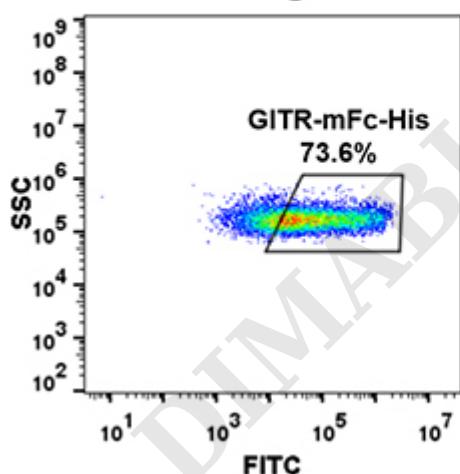
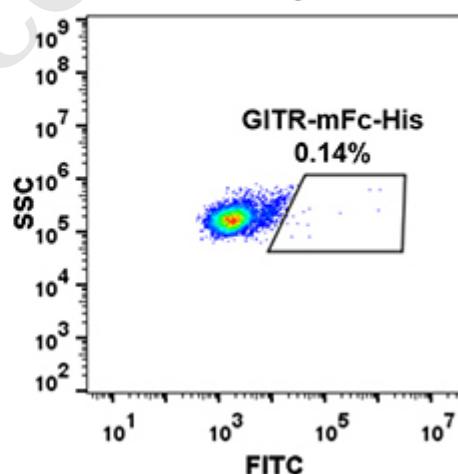


Figure 1. Human GITR Protein, mFc-His Tag on SDS-PAGE under reducing condition.

A**GITR Ligand****B****irrelevant protein**Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human GITR Ligand (A) were surface stained with Human GITR, mFc-His tagged protein (PME100019) 1 μ g/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.