Human GITR/TNFRSF18 Protein

Cat. No. GTR-HM201

Description

Source	Recombinant Human GITR/TNFRSF18 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gln26-Glu161.
Accession	Q9Y5U5-1
Molecular Weight	The protein has a predicted MW of 41.3 kDa. Due to glycosylation, the protein migrates to 45-55 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

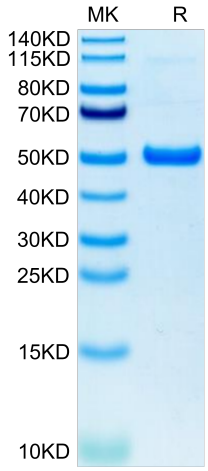
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

GITR (glucocorticoid-induced tumor necrosis factor receptor), also known as AITR and TNFRSF18, is a 40 kDa transmembrane glycoprotein that functions in immune regulation.GIRT is a receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway.

Assay Data

Tris-Bis PAGE



Human GITR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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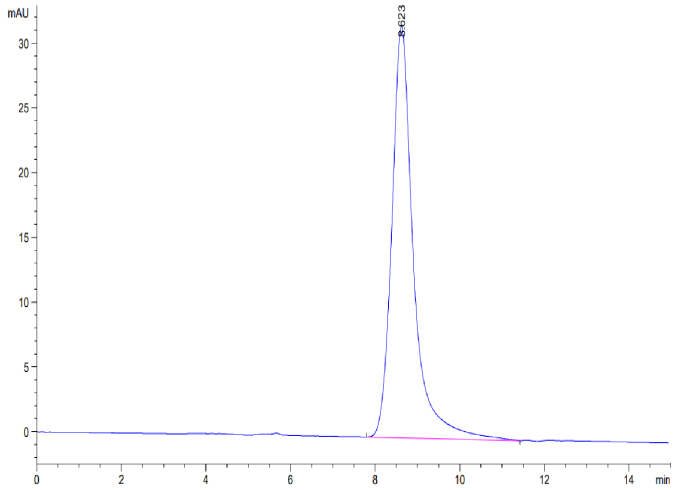
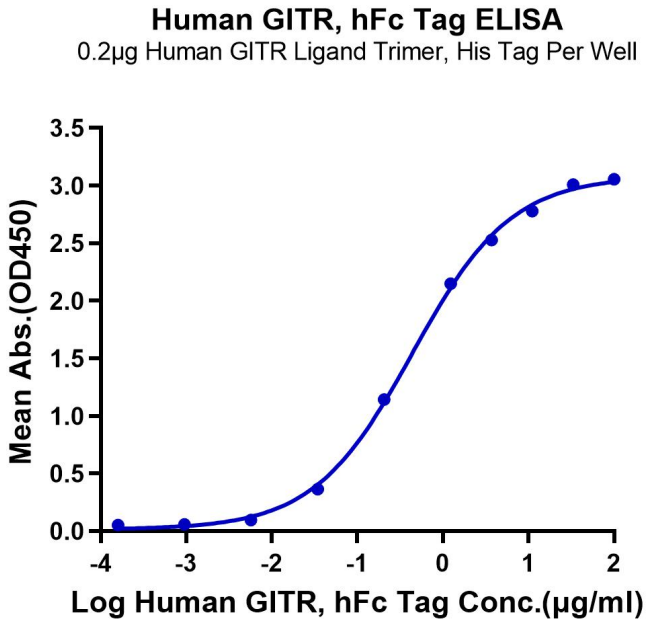
Assay Data



The purity of Human GITR is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human GITR Ligand Trimer, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human GITR, hFc Tag with the EC50 of 0.44μg/ml determined by ELISA.