

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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

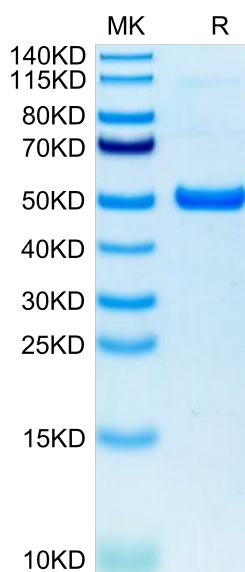
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

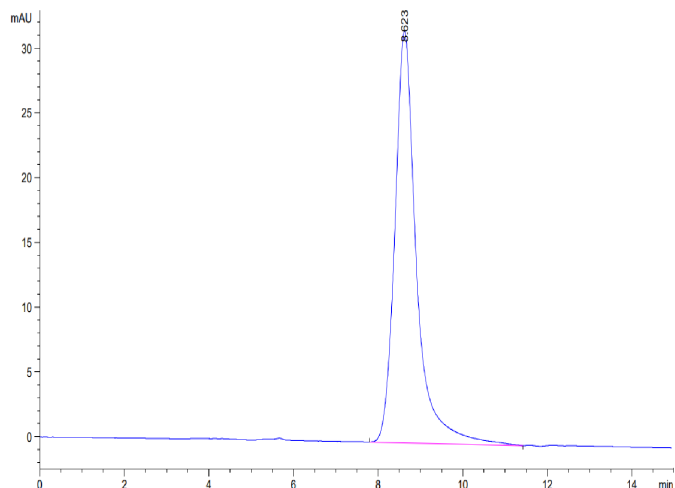
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

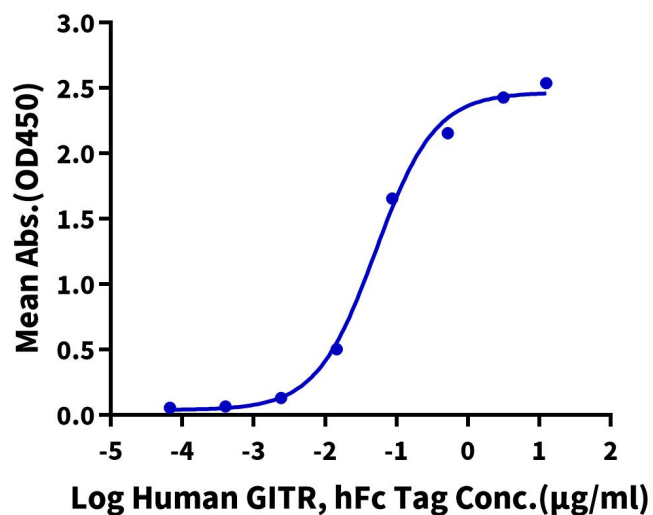


The purity of Human GITR is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human GITR, hFc Tag ELISA

0.5 µg Human GITR Ligand Trimer, His Tag Per Well



Immobilized Human GITR Ligand Trimer, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Human GITR, hFc Tag with the EC50 of 50.8 ng/ml determined by ELISA.