Human GITR / TNFRSF18 Protein, Mouse IgG2a Fc Tag, low endotoxin

Catalog # GIR-H525a

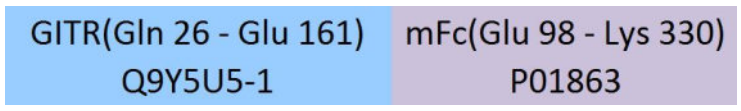
Synonym

AITR,GITR,TNFRSF18,CD357

Source

Human GITR Protein, Mouse IgG2a Fc Tag(GIR-H525a) is expressed from human 293 cells (HEK293). It contains AA Gln 26 - Glu 161 (Accession # Q9Y5U5-1).
Predicted N-terminus: Gln 26

Molecular Characterization



This protein carries a mouse IgG2a Fc tag at the C-terminus.

The protein has a calculated MW of 41.4 kDa. The protein migrates as 46-49 kDa and 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in
Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

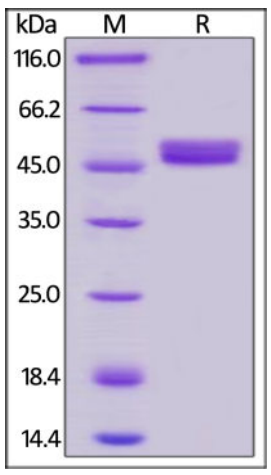
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

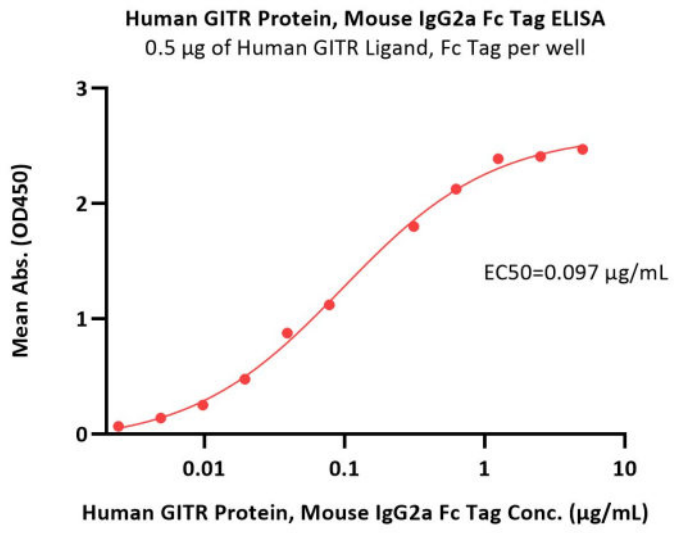
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human GITR Protein, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Immobilized Human GITR Ligand, Fc Tag (Cat. No. GIL-H526a) at 5 μg/mL (100 μL/well) can bind Human GITR Protein, Mouse IgG2a Fc Tag (Cat. No. GIR-H525a) with a linear range of 0.039-0.313 μg/mL (QC tested).

Background

Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), activation-inducible TNFR family receptor (AITR), CD antigen CD357, which is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is receptor for TNFSF18, which seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR also mediated NF-kappa-B activation via the TRAF2/NIK pathway.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.