



Recombinant Protein Technical Manual
Recombinant Mouse GITR/TNFRSF18 Protein (Fc &
His Tag)(Active)
RPES0865

Product Data:

Product SKU: RPES0865

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: O35714

Protein Information:

Molecular Mass: 41.12 kDa

AP Molecular Mass: 60kDa

Tag: C-Fc-6His

Bio-activity: Immobilized Human GITRL-His(Cat: PKSH032485) at 10µg/ml(100 µl/well) can bind Mouse GITR -Fc-His.

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Tumor necrosis factor receptor superfamily member 18;Glucocorticoid-induced TNFR-related protein;Tnfrsf18; AITR;CD357;GITR-D;TNFRSF18

Immunogen Information:

Sequence: Ser22-His153

Background:

Tumor necrosis factor receptor superfamily member 18(Gitr) contains 3 TNFR-Cys repeats and it have four isforms. IsformA、 isformB and isformC is single-pass type I membrane protein and isformD is a secreted protein. The protein is the receptor for TNFSF18. It seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. It mediated NF-kappa-B activation via the TRAF2/NIK pathway. It binds to TRAF1, TRAF2, and TRAF3, but not TRAF5 and TRAF6 and binds through its C-terminus to SIVA1/SIVA. It preferentially expressed in activated T lymphocytes and up-regulated in peripheral mononuclear cells after antigen stimulation/lymphocyte activation.