InnoCyto Inc.
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Technical Data Sheet

APC conjugated Human GITR (TNFRSF18) (C-Fc)

Catalog Number: 811803, 811804
Size: 25 ug, 100 ug
Target Name: TNFRSF18, AITR, GITR, CD357
Regulatory Status: RUO

Product Details

Application: FC
Format: Liquid, APC
Expression Host: CHO
Species: Human
Sources: Recombinant Human GITR/TNFRSF18 (Gln26-Glu161) with C-terminus Fc-tag is expressed in CHO cell and conjugated to APC.
Accession Number: Q9Y5U5
Molecular Weight: The protein has a predicted molecular weight of 40.8 kDa. Under DTT-reducing conditions, it migrates at approximately 45-50 kDa on SDS-PAGE prior to conjugation.
Affinity Tag: C-Fc
Formulation: 1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein
Endotoxin level: Not tested
Protein Concentration: 25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.
Storage and Handling: Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2–8°C for up to six months.

Background Information

GITR (glucocorticoid-induced TNFR-related protein), also known as TNFRSF18 or CD357, is a 25 kD member of the TNF receptor superfamily that acts as the receptor for TNFSF18 (GITRL). It is primarily expressed on activated T cells and regulatory T cells and is upregulated upon T cell receptor engagement. GITR plays a key role in immune regulation by influencing T cell proliferation, TCR-mediated apoptosis, and the function of regulatory T cells, thereby contributing to the maintenance of self-tolerance. GITR signaling activates NF-?B via the TRAF2/NIK pathway and interacts with TRAF1–3. It is also implicated in T cell–endothelial cell interactions and the pathogenesis of autoimmune diseases.