Anti-Mouse CD357 (GITR) (DTA-1)

Catalog Number: 65102-1-lg

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Basic Information

Catalog Number:
65102-1-lg

Size:
500ug , 500 μg/ml

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC146517

GeneID (NCBI):
21936

Full Name:
tumor necrosis factor receptor superfamily, member 18

Purification Method:
Affinity purification

CloneNo.:
DTA-1

Recommended Dilutions:
FC: 0.5 ug per 10^6 cells in 100 μl suspension

Applications

Tested Applications:
FC

Species Specificity:
Mouse

Positive Controls:
FC : mouse splenocytes,

Background Information

Glucocorticoid-induced TNFR-related protein (GITR), also known as CD357 or TNFRSF18, is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is expressed constitutively at high levels in T regulatory cells (Treg cells) and plays a key role in dominant immunological self-tolerance maintained by CD25+CD4+ regulatory T cells (PMID: 11812990). It is expressed at low levels on resting responder T cells. The expression of GITR on T cells can be upregulated upon activation (PMID: 15770698). GITR is activated by GITR ligand (GITRL) which is mainly expressed on APC. GITR-GITRL interactions could co-stimulate both responder T-cell functions and the suppressive functions of Treg cells (PMID: 16868552).

Storage

Storage:
Store at 2-8℃. Stable for one year after shipment.
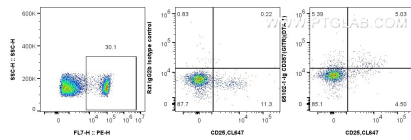**Storage Buffer:**
PBS with 0.09% sodium azide, pH7.3

Selected Validation Data

1x10^6 mouse splenocytes were surface stained with 0.5 ug Anti-Mouse CD357 (GITR) (65102-1-Ig, Clone:DTA-1) or 0.5 ug Rat IgG2b Isotype Control (LTF-2) (65211-1-Ig, Clone: LTF-2) and FITC anti-rat IgG2b Antibody at dilution 1:100. Cells were co-stained with CoraLite 647 Anti-Human CD25. CD4+ cells were gated. Cells were not fixed.