For Research Use Only

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

Catalog Number:APC-65102

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Basic Information

Catalog Number:
APC-65102

Size:
100ug, 0.2 mg/ml

Source:
Rat

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC146517

GeneID (NCBI):
21936

UNIPROT ID:
O35714

Full Name:
tumor necrosis factor receptor superfamily, member 18

Purification Method:
Affinity purification

CloneNo.:
DTA-1

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

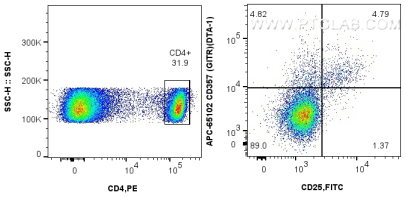
Background Information

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°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA.

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.125 ug APC Anti-Mouse CD357 (GITR) (DTA-1) (APC-65102, Clone: DTA-1), FITC Plus Anti-Mouse CD4 (GK1.5) (FITC-65104, Clone: GK1.5) and PE Anti-Mouse CD4 (GK1.5) (PE-65104, Clone: GK1.5). Cells were not fixed.