

For Research Use Only

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

Catalog Number: 65102-1-Ig



Basic Information

Catalog Number: 65102-1-Ig	GenBank Accession Number: BC146517	Purification Method: Affinity purification
Size: 500ug , 500 µg/ml	GeneID (NCBI): 21936	CloneNo.: DTA-1
Source: Rat	Full Name: tumor necrosis factor receptor superfamily, member 18	
Isotype: IgG2b, kappa		

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

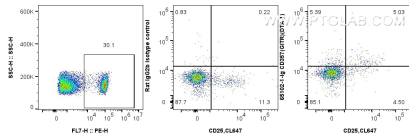
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ 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.