

For Research Use Only

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



Catalog Number: FITC-65102

Basic Information

Catalog Number: FITC-65102	GenBank Accession Number: BC146517	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 21936	CloneNo.: DTA-1
Source: Rat	UNIPROT ID: O35714	Excitation/Emission maxima wavelengths: 498 nm / 526 nm
Isotype: IgG2b, kappa	Full Name: tumor necrosis factor receptor superfamily, member 18	

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:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

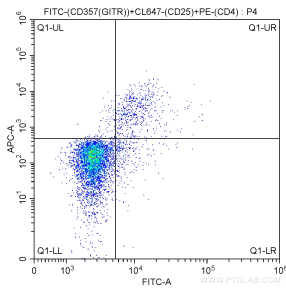
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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.125 ug PE-Anti-Mouse CD4 (PE-65104, clone GK1.5), 0.125 ug APC-Anti-Mouse CD25 (APC-65137, clone PC61.5) and 0.06 ug FITC-Anti-Mouse CD357 (GITR) (FITC-65102, clone DTA-1). Cells were not fixed. CD4⁺ lymphocytes were gated for analysis of CD25 and CD357 (GITR) staining.