

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

Catalog Number: **FITC-65102**

Basic Information

Catalog Number:

FITC-65102

Size:

100ug, 0.5 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:**

498 nm / 526 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

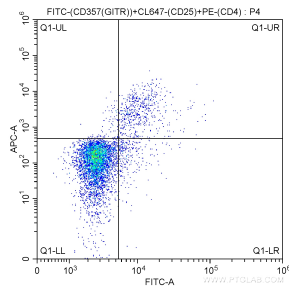
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

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

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.