

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD357 (GITR) (DTA-1)



Catalog Number: **CL488-65102**

## Basic Information

Catalog Number:

CL488-65102

Size:

100ug , 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

Excitation/Emission maxima  
wavelengths:

493 nm / 522 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, pH 7.3.

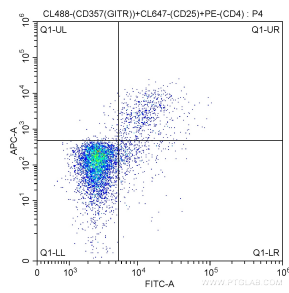
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with PE-Anti-Mouse CD4 (PE-65104, Clone: GK1.5), CoraLite® Plus 647-Conjugated Anti-Mouse CD25 (CL647-65137, Clone: PC61.5) and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD357 (GITR) (CL488-65102, Clone: DTA-1). Cells were not fixed. CD4+ lymphocytes were gated for analysis of CD25 and CD357 (GITR) staining.