

**PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody**  
**Catalog # ATB10208****Specification**

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**PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Product Information**

Application	FC
Isotype	Rat IgG2b
Concentration	0.2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.05% BSA, 0.05% NaN <sub>3</sub> , pH7.2
Host	Rat

**PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Additional Information**

Gene ID	21936
Gene Name	Tnfrsf18
Alternative Name(s)	
TNFRSF18	

**Format**  
PE**Preparation**

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

**Application Notes**

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

**Storage Conditions**

2-8°C protected from light

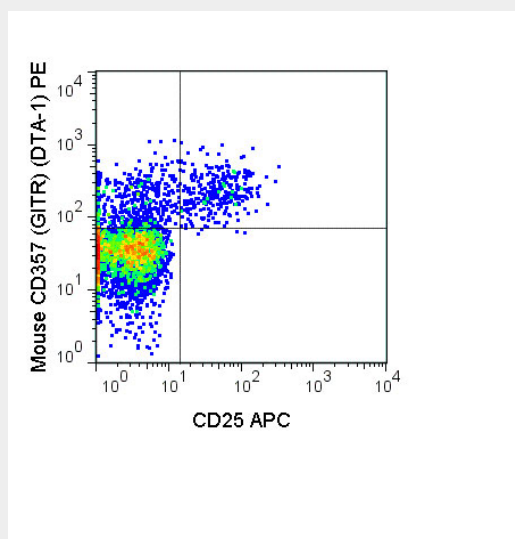
**PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

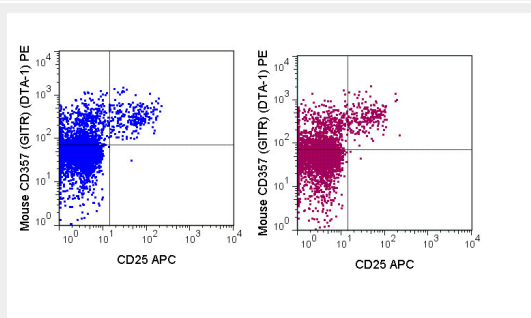
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Images



C57Bl/6 splenocytes were stained with FITC Anti-Mouse CD4 (35-0041), APC Anti-Mouse CD25 (20-0251) and 0.004 ug PE Anti-Mouse CD357 (GITR) (35-5874). Cells in the CD4+ lymphocyte gate are shown.



C57Bl/6 splenocytes were stained with FITC Anti-Mouse CD4, APC Anti-Mouse CD25 and 0.004 ug PE Anti-Mouse CD357 (AITR/GITR) (DTA-1) manufactured by Tonbo Biosciences (left panel) or eBioscience (right panel).

## PE Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Background

The DTA-1 antibody reacts with mouse CD357, also known as GITR or AITR (in humans), a 66-70 kDa member of the Tumor Necrosis Factor superfamily (TNFRSF18). GITR is primarily found on T cells, and its function may vary depending on the T cell type where it is expressed. GITR is upregulated on activated T cells where it provides co-stimulation, yet GITR may promote the inhibition of CD4+ CD25+ Treg cells, where it is expressed at high levels. GITR ligand (GITRL) is found on B cells, macrophages, dendritic and endothelial cells, and is implicated in regulating both innate and adaptive immune responses. The DTA-1 antibody may be used for analysis of GITR expression on T cells, and is also commonly used in vitro as an agonistic antibody to induce GITR signaling in various assays.