

**In Vivo Ready™ Anti-Mouse CD357 (GITR) (DTA-1) Antibody**  
**Catalog # ATB10153****Specification**

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**In Vivo Ready™ Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Product Information**

Application	FC, FA
Isotype	Rat IgG2b
Concentration	2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH7.2
Host	Rat

**In Vivo Ready™ Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Additional Information**

Gene ID	21936
Gene Name	Tnfrsf18
<b>Alternative Name(s)</b>	
TNFRSF18	

**Format**

In Vivo Ready™

**Preparation**

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

**Application Notes**

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

**Endotoxin Level**

Less than or equal to 0.01 EU/ug, as determined by the LaL assay

**Storage Conditions**

2-8°C

**In Vivo Ready™ 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](#)

**In Vivo Ready™ Anti-Mouse CD357 (GITR) (DTA-1) Antibody - Images****In Vivo Ready™ 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<sup>+</sup> CD25<sup>+</sup> 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.