

Product Data Sheet

APC anti-mouse CD357 (GITR)

Catalog # / Size: 126311 / 25 µg
126312 / 100 µg

Clone: DTA-1

Isotype: Rat IgG2b, λ

Immunogen: mouse CD25⁺CD4⁺ T cells

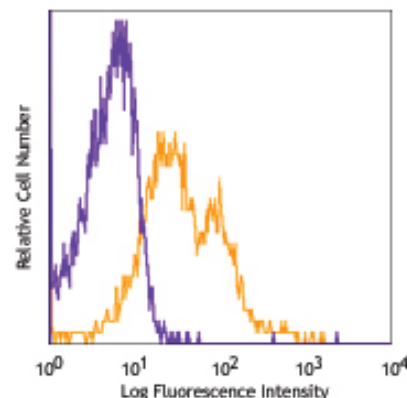
Reactivity: mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 splenocytes stained with DTA-1 APC

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: GITR glucocorticoid-induced TNFR-related gene, is a member of the TNF receptor superfamily, also known as TNFRSF18, and AITR (in humans). It is expressed at low levels on resting T lymphocytes and at high levels on CD25⁺CD4⁺Treg cells. The expression of GITR on T cells can be upregulated upon activation. Interaction of GITR with its ligand (GITRL) has been demonstrated to augment T cell activation, proliferation, cytokine production, as well as MAPKs and NF-κB activation, and abrogate the inhibitory function of CD25⁺CD4⁺ Treg cells. In vivo activation of GITR causes development of autoimmune diseases and restores the suppressed immune response.

Antigen References:

1. Tone M, *et al.* 2003. *Proc.Natl.Acad.Sci.USA* 100:15059
2. Shimzu J, *et al.* 2002 *Nat Immunol* 3:135
3. Stephens GL, *et al.* 2004. *J. Immunol.* 173:5008
4. McHugh RS, *et al.* 2002. *Immunity* 16:311

Related Products: **Product**
TruStain fcX™ (anti-mouse CD16/32)

Clone
93

Application
FC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.