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Product Data Sheet

Biotin anti-mouse CD357 (GITR)

Catalog # / Size: 126305 / 50 µg
126306 / 200 µg

Clone: DTA-1

Isotype: Rat IgG2b, λ

Immunogen: mouse $CD25^+CD4^+$ T cells

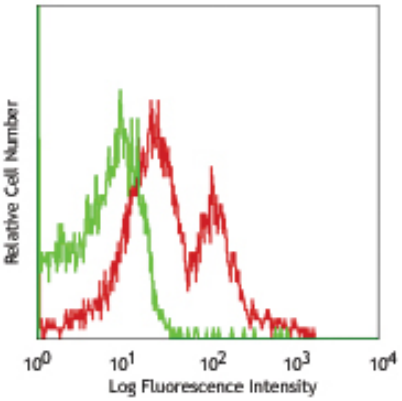
Reactivity: mouse

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

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



C57BL/6 mouse splenocytes stained with biotinylated DTA-1, followed by Sav-PE

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 10^6 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-kB activation, and abrogate the inhibitory function of CD25+CD4+ T reg 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	Clone	Application
TruStain fcX™ (anti-mouse CD16/32)	93	FC

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