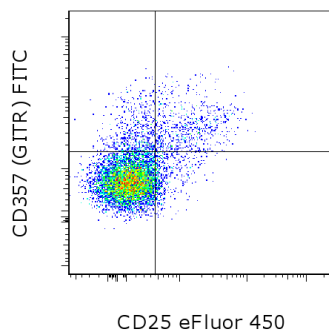


Anti-Mouse CD357 (GITR) FITC

Catalog Number: 11-5874

Also known as: TNFRSF18, AITR, glucocorticoid-induced TNFR-related

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57Bl/6 splenocytes with Anti-Mouse CD4 APC (cat. 17-0042), Anti-Mouse CD25 eFluor[®] 450 (cat. 48-0253) and 0.03 ug of Anti-Mouse CD357 (GITR) FITC (right). Cells in the CD4+ lymphocyte gate were used for analysis.

Product Information



Contents: Anti-Mouse CD357 (GITR) FITC

Catalog Number: 11-5874

Clone: DTA-1

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2b



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Caution, contains Azide

Description

The DTA-1 monoclonal antibody reacts with mouse GITR, Glucocorticoid-Induced TNFR family gene, also known as TNFRSF18. In naïve mice, GITR is expressed predominantly by CD4⁺CD25⁺ T regulatory cells (Treg) and by CD25⁺ CD4⁺ CD8⁻ thymocytes. Stimulation of GITR abrogates Treg cell-mediated suppression. The removal of GITR-expressing Treg cells or the administration of DTA-1 resulted in organ specific autoimmune disease.

Applications Reported

The DTA-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This DTA-1 antibody has been tested flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Shimizu J, Yamazaki S, Takahashi T, Ishida Y, Sakaguchi S. Stimulation of CD25(+)CD4(+) regulatory T cells through GITR breaks immunological self-tolerance. Nat Immunol. 2002 Feb;3(2):135-42.

Related Products

11-4031 Rat IgG2b K Isotype Control FITC

17-0042 Anti-Mouse CD4 APC (RM4-5)

48-0253 Anti-Mouse CD25 eFluor[®] 450 (eBio3C7 (3C7))

72-5775 Anti-Mouse/Rat Foxp3 Staining Set PE (FJK-16s)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com