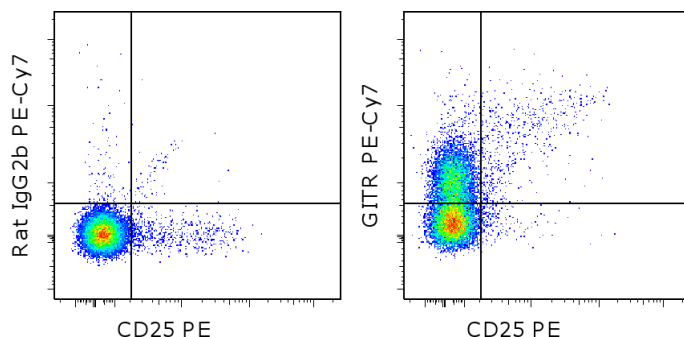


Anti-Mouse CD357 (GITR) PE-Cyanine7

Catalog Number: 25-5874

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 CD25 PE (cat. 12-0251) and 0.03 ug of Rat IgG2b K Isotype Control PE-Cyanine7 (cat. 25-4031) (left) or 0.03 ug of Anti-Mouse CD357 (GITR) PE-Cyanine7 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD357 (GITR) PE-Cyanine7



Catalog Number: 25-5874

Clone: DTA-1

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa



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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to vial



Use By: Refer to vial

Contains sodium 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

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

Applications Tested

This DTA-1 antibody has been tested by 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

Shimizu J, Yamazaki S, Takahashi T, Ishida Y, Sakaguchi S. Stimulation of CD25(+)CD4(+) regulatory T cells

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through GITR breaks immunological self-tolerance. Nat Immunol. 2002 Feb;3(2):135-42.

Related Products

12-0251 Anti-Mouse CD25 PE (PC61.5)

25-4031 Rat IgG2b K Isotype Control PE-Cyanine7

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