

# Anti-Mouse CD357 (GITR) PE

## Catalog Number: 12-5874

Also known as: TNFRSF18, AITR, glucocorticoid-induced TNFR-related RUO: For Research Use Only. Not for use in diagnostic procedures.



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 by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.004  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> 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**

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