

Anti-Mouse CD357-143Nd

Catalog: 3143019B

Clone: DTA1

Package Size: 100 tests

Isotype: null

Storage: Store product at 4°C. Do not freeze.

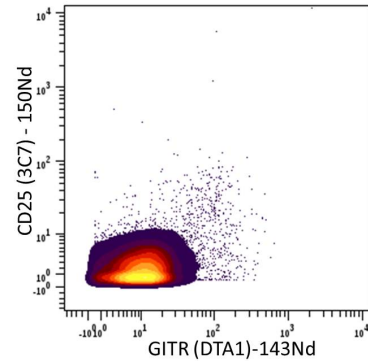
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Mouse,

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes stained with 150Nd-anti-CD25 (3C7) and 143Nd-anti- GITR (DTA1). CD3e+ T cells are displayed in the analysis.

Description

GITR (Glucocorticoid-Induced TNFR family gene) and its ligand (GITRL) are induced upon activation of a number of immune cell types. GITR is expressed at low levels on resting T cells, but its expression is rapidly increased upon activation. Although constitutively expressed on Foxp3+ regulatory T cells (Tregs), GITR is dispensable for Treg function. GITR-deficient mice are viable, reproduce normally, and have no obvious immunological defects in the naive state. Studies using GITR-deficient mice or an agonist anti-GITR antibody have shown an immune stimulatory role for GITR in the context of viral infections.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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