

Anti-Human CD357-159Tb

Catalog: 3159020B

Package Size: 100 tests

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

Reactivity: Human

Clone: 621

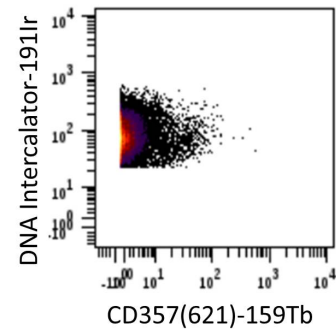
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

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.



Human HT29 cells stained with 159Tb-anti-CD357(621).

Description

The 621 monoclonal antibody reacts with human GITR (glucocorticoid-induced TNF receptor family-regulated gene), also known as AITR, Activation Inducible TNFR family member or CD357. GITR is an approximately 25 kDa member of the TNFR superfamily. Reports in the literature suggest that GITR signaling can regulate T cell proliferation and TCR-mediated apoptosis. GITR associates with TRAF1, TRAF2 and TRAF3 and induces nuclear factor NF-κB activation via TRAF2. GITR binds GITRL/AITRL to mediate the development of regulatory T cells and to regulate the activity of T-cell Th1 subsets.

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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