

Anti-Human/Mouse IL-5-143Nd

Catalog: 3143003B

Package size: 100 tests

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

Cross-reactivity: Mouse, Human, Guinea Pig

Clone: TRFK5

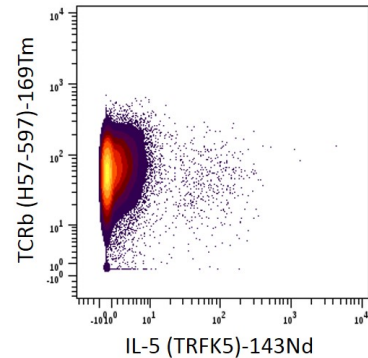
Isotype: Rat IgG1

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 μ L for up to 3×10^6 live cells in 100 μ L. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse EL-4 T cells were fixed, permeabilized, and stained with 169Tm-anti-TCRb (H57-597) and 143Nd-anti-IL-5 (TRFK5).

Description

Interleukin 5 (IL-5) is a secreted protein produced by Th2-polarized T cells and mast cells. IL-5 stimulates cell division, increased antibody production, and isotype switching in B cells. IL-5 can also promote the generation of cytotoxic lymphocytes from thymocytes. It is also a key mediator in eosinophil differentiation. The TRFK5 antibody can neutralize the activity of natural or recombinant IL-5.

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 (2009): 6,813–22.

Ornatsky, O.I. et al. "Highly multiparametric analysis by mass cytometry." *Journal of Immunological Methods* 361 (2010): 1–20.

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