

# Anti-Human/Mouse IL-5-151Eu

Catalog: 3151014B

Clone: TRFK5

Package Size: 100 tests

Isotype: IgG1

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

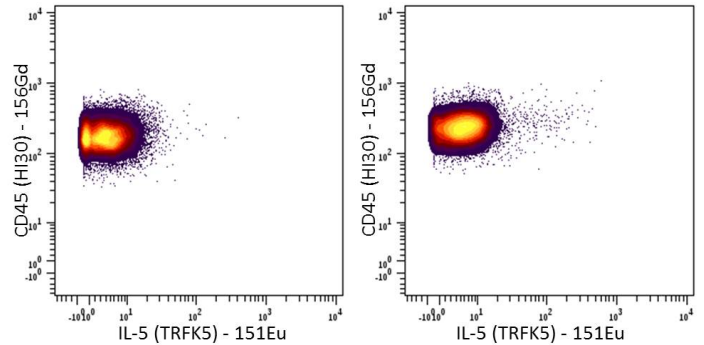
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human/Mouse

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human Th2-polarized CD4<sup>+</sup> T cells were incubated for 5 hours in media alone (left) or with PMA and Ionomycin (right) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 156Gd-anti-CD45 (HI30) and 151Eu-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* 81:6813-6822, 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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 PHONE **United States (toll-free)** +1 866 358 4354 | **Europe** +33 1 60 92 42 40 | **Japan** +81 3 3662 2150 | **China** +86 21 3255 8368 | **All other countries** +1 650 266 6100

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