

Anti-Human IL-10-166Er

Catalog: 3166008B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Olive Baboon

Clone: JES3-9D7

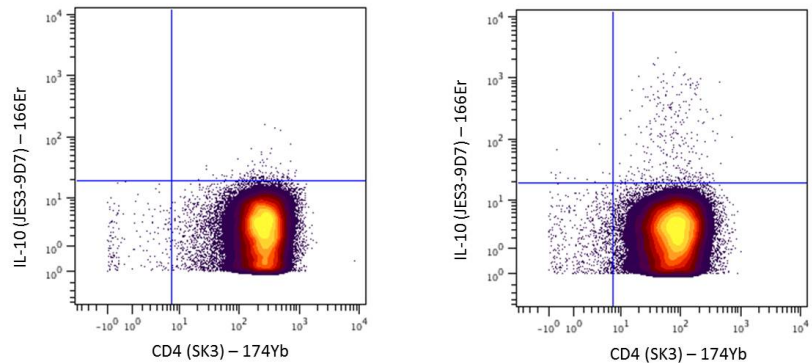
Isotype: Rat IgG1

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 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 Th2-polarized CD4⁺ 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 174Yb anti-CD4 (SK3) and 166Er anti-IL-10 (JES3-9D7).

Description

Interleukin-10 (IL-10), also known as cytokine synthesis inhibitory factor (CSIF), is an inhibitor of activated macrophages and dendritic cells. It is involved in the control of innate immune responses and cell-mediated immunity. The biologic effects of IL-10 result from its ability to inhibit many of the functions of activated macrophages and dendritic cells. IL-10 is mainly expressed in monocytes and TH2 cells, mast cells, and in subsets of activated T cells and B cells.

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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