

Anti-Human IL-23 p19-161Dy

Catalog: 3161010B

Clone: 23dcdp

Package Size: 100 tests

Isotype: IgG2b

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

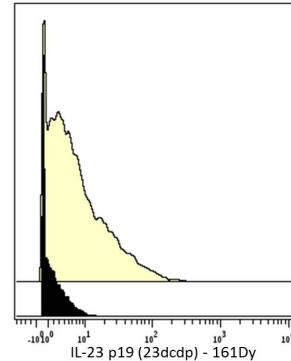
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

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 PBMCs were incubated for 24 hours in media alone (bottom) or with LPS (top) in the presence of monensin and brefeldin A. Cells were then fixed, permeabilized, and stained with 161Dy-anti-IL23 p19 (23dcdp). Total viable cells are displayed in the analysis.

Description

IL-23 (p19) is a member of the IL-12 family of cytokines and constituted by two subunits, p19 and p40. IL-23 is secreted by activated dendritic cells and activated macrophages, and functions in innate and adaptive immunity to regulate TH17 function and proliferation. Both IL-12 and IL-23 induce proliferation and IFN-gamma production by human T cells. While IL-12 acts on both naive and memory T cells, the effect of IL-23 is restricted to memory T 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.

For technical support visit fluidigm.com/support

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