DVS Sciences

Product Information Sheet

Anti-Human MIP-1β-150Nd

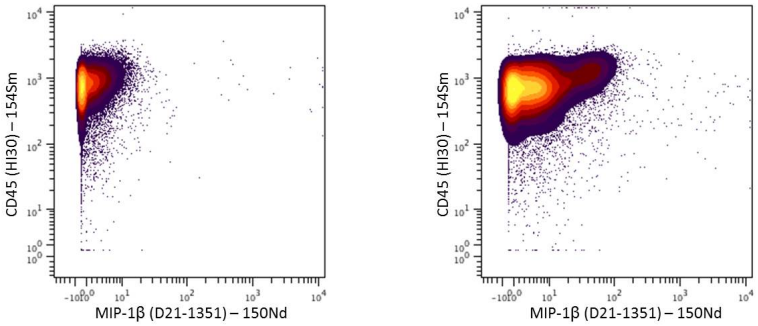
Catalog #: 3150004B
Package Size: 100 tests
Storage: Store product at 4°C. Do not freeze.
Cross Reactivity: Human

Clone: D21-1351
Isotype: Mouse 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 10^6 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 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 154Sm-anti-CD45 (HI30) and 150Nd-anti-MIP-1β (D21-1351).

Description

MIP-1β (Macrophage inflammatory protein-1β), also known as CCL4, is a cysteine-cysteine (CC) chemokine. It is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. Human MIP-1β shares ~75% homology with mouse MIP1β and binds to receptors, CCR5 and CCR8. The immunogen used to generate D21-1351 hybridoma was recombinant human MIP-1β.

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.

Newell, E.W., et al. Cytometry by Time-of-Flight Shows Combinatorial Cytokine Expression and Virus-Specific Cell Niches within a Contimuum of CD8+ T Cell Phenotypes. Immunity 36 January 2012: 142-152.
Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. J Immunol Methods 361 (1-2):1-20, 2010.

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