

Anti-Human CD161-164Dy

Catalog #: 3164009B

Package Size: 100 tests

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

Cross Reactivity: Rhesus, Chimpanzee

Clone: HP-3G10

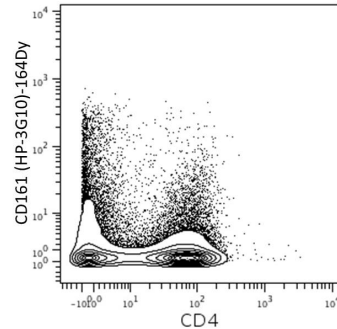
Isotype: Mouse IgG1

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 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 stained with 145Nd-anti-CD4 (RPA-T4) and 164Dy-anti-CD161 (HP-3G10). Lymphocytes are displayed in the analysis.

Description

CD161, also known as KLRB1 and NKR-P1A, is a type II transmembrane glycoprotein expressed as a homodimer. It is a member of the C-type lectin superfamily and is expressed on a majority of NK cells, NKT cells, and subsets of peripheral T cells and CD3+ thymocytes. It has been reported that Th17 cells are a subpopulation of CD4+CD161+CCR6+ cells. NKR-P1A, the receptor encoded by the KLRB1 gene, recognizes Lectin Like Transcript-1 (LLT-1) as a functional ligand.

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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