

Anti-Human CD161-159Tb

Catalog: 3159004B

Package size: 100 tests

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

Cross-reactivity: Rhesus, Chimpanzee

Clone: HP-3G10

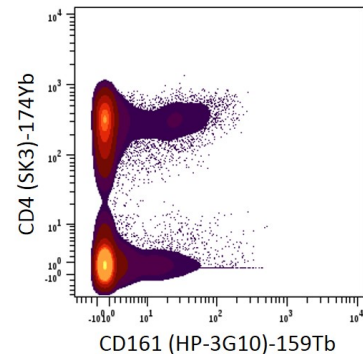
Isotype: Mouse IgG1

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 PBMC stained with 174Yb-anti-CD4 (SK3) and 159Tb-anti-CD161 (HP-3G10). Viable CD45+CD14-CD3+CD19- cells 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 (LLT1) 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 (2009): 6,813–22.

Ornatsky, O.I. et al. "Highly multiparametric analysis by mass cytometry." *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit <http://techsupport.fluidigm.com>. | For general support visit www.fluidigm.com/support.

For Research Use Only. Not for use in diagnostic procedures.

This product contains antibodies manufactured by and sold under license from BioLegend[®] and licensees thereof. Information in this publication is subject to change without notice. **Safety data sheet information:** www.fluidigm.com/sds. **Patent and license information:** www.fluidigm.com/legalnotices. **Limited Use Label License:** The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased consumable or reagent only with Fluidigm instruments and systems. **EU's WEEE directive information:** www.fluidigm.com/compliance. Fluidigm, the Fluidigm logo, and CyTOF are trademarks and/or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2018 Fluidigm Corporation. All rights reserved. 03/2018