

Anti-Human Perforin-175Lu

Catalog #: 3175004B

Package Size: 100 tests

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

Cross Reactivity: Human

Clone: B-D48

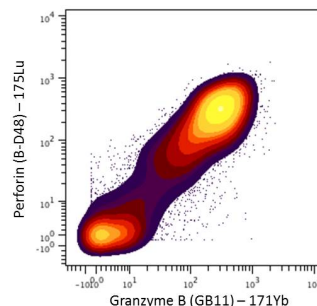
Isotype: Mouse IgG1

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 175Lu anti-Perforin (B-D48) and 171Yb anti-Granzyme B (GB11). Viable NK cells are displayed in the analysis.

Description

Perforin, a 70kD cytolytic protein, is found in the granules of cytotoxic T lymphocytes (CTLs) and antrual killer (NK) cells. This protein is one of the main cytolytic proteins in granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cell lysis.

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 Continuum 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.

Contact Information:

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