

Anti-Human CD3-141Pr

Catalog: 3141019B

Package size: 100 tests

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

Cross-reactivity: Chimpanzee

Clone: UCHT1

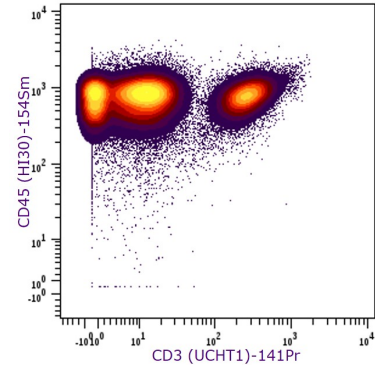
Isotype: Mouse IgG1

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 × 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 154Sm-anti-CD45 (HI30) and 141Pr-anti-CD3 (UCHT1). Total viable cells are displayed in the analysis.

Description

CD3 is a transmembrane subunit of the T cell receptor (TCR) complex. It is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. CD3 is expressed by T lymphocytes (thymocytes) at the highest levels on mature cell types.

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.

Bendall, S.C., et al. "Single-cell mass cytometry of differential immune and drug responses across a human hematopoietic continuum." *Science* (2011): 687–96.

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