

# Anti-Human CD45-141Pr

Catalog: 3141009B

Package Size: 100 tests

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

Reactivity: Chimpanzee,

Clone: HI30

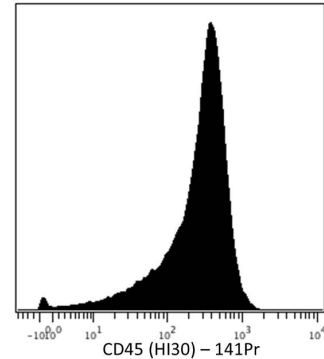
Isotype: Mouse IgG1

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<sup>6</sup> 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 141Pr-anti-CD45 (HI30).

## Description

CD45, also known as leukocyte common antigen (LCA) and T200, is a type I transmembrane glycoprotein. It is expressed on the plasma membrane of all hematopoietic cells, except mature red blood cells and platelets. Its intracellular domain is a tyrosine phosphatase that serves to regulate signal transduction in most hematopoietic cells.

## 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.

Bendall, S.C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* 6 May 2011: 687-696.

Bodenmiller, B. et al. State Based Profiling of Small Molecule Regulators by Cell-Multiplexed Mass Cytometry. *Nature Biotechnology* 30: 858.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

**North America** +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | [support.northamerica@fluidigm.com](mailto:support.northamerica@fluidigm.com) **Europe** +33 1 60 92 42 40 | [support.europe@fluidigm.com](mailto:support.europe@fluidigm.com)

**China (excluding Hong Kong)** +86 21 3255 8368 | [techsupportchina@fluidigm.com](mailto:techsupportchina@fluidigm.com) **Japan** +81 3 3662 2150 | [techsupportjapan@fluidigm.com](mailto:techsupportjapan@fluidigm.com)

**All other Asian countries** +1 650 266 6100 | [techsupportasia@fluidigm.com](mailto:techsupportasia@fluidigm.com) **Central and South America** +1 650 266 6100 | [techsupportlatam@fluidigm.com](mailto:techsupportlatam@fluidigm.com)

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