

# Anti-Human CD5-143Nd

Catalog: 3143007B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Capuchin Monkey, Marmoset,

Clone: UCHT2

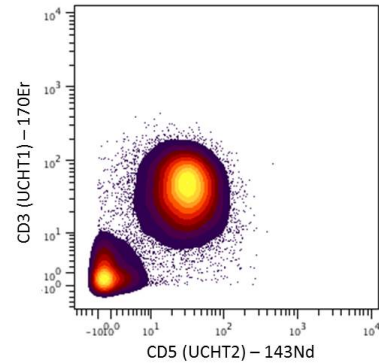
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 143Nd anti-CD5 (UCHT2) and 170Er anti-CD3 (UCHT1). Total viable cells are displayed in the analysis.

## Description

CD5, also known as Leu-1, Ly-1 and T1, is a type 1 membrane glycoprotein and a member of the scavenger receptor superfamily. CD5 plays a role in cell signaling and binds to ligands such as CD72. It is found on on T cells, thymocytes, B cell subsets, chronic B lymphocytic leukemia, and peripheral blood dendritic 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.

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)

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