

# Anti-Mouse CD5-146Nd

Catalog: 3146012B

Package Size: 100 tests

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

Reactivity: Mouse,

Clone: 53-7.3

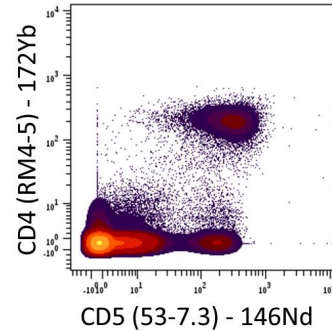
Isotype: IgG2a

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.



Mouse splenocytes stained with 146Nd-anti-CD5 (53-7.3) and 172Yb-anti-CD4 (RM4-5). Total viable CD45+ cells are displayed in the analysis.

## Description

CD5, also known as Lyt-1, Ly-1, Tp67, T1, or Ly12, is a surface protein and member of the scavenger receptor cysteine-rich (SRCR) protein superfamily. It is primarily expressed on thymocytes, peripheral T cells, and B-1 cells. Mature T cells express higher levels of CD5 than B cells, however  $\gamma/\delta$  T cells do not express CD5.

## 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.

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