

# Anti-Human CD57-176Yb

Catalog: 3176019B

Package Size: 100 tests

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

Reactivity: Human,

Clone: HCD57

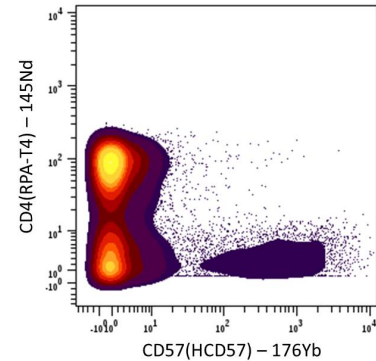
Isotype: Other

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  $\mu$ l for up to  $3 \times 10^6$  live cells in 100  $\mu$ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 145Nd-anti-CD4 (RPA-T4) and 176Yb-anti-CD57 (HCD57). T cells are displayed in the analysis.

## Description

CD57, also known as HNK-1, NK-1, and Leu-7, is a 100-115 kDa cell surface glycoprotein. The function of CD57 is unknown, however it is thought to be involved in cell-matrix interactions. CD57 is expressed on a subset of peripheral blood lymphocytes including natural killer (NK) cells and CD8+ T cells. It is not expressed on red cells, granulocytes, monocytes, or platelets.

## 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.

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

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