

Anti-Human CD57-142Nd

Catalog: 3142007B

Package Size: 100 tests

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

Reactivity: Human

Clone: HCD57

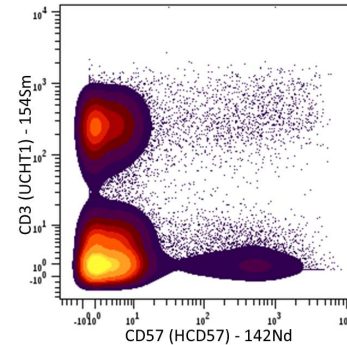
Isotype: Other

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] 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 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-CD3 (UCHT1) and 142Nd-anti-CD57 (HCD57). Total viable cells are displayed in the analysis.

Description

CD57, also known as HNK-1, NK-1, and Leu-7, is a 100-115 kDa 110-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

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