

Anti-Biotin-143Nd

Catalog: 3143008B

Package Size: 100 tests

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

Reactivity: All,

Clone: 1D4-C5

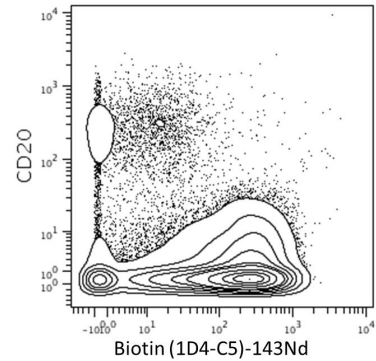
Isotype: IgG2a

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 Biotin-anti Human CD3 (UCHT1) then detected with 143Nd-anti-Biotin (1D4-C5). Plotted against 147Sm-anti-CD20 (2H7).

Description

Biotin, also known as vitamin H or coenzyme R, is a water soluble B-vitamin essential for the metabolism of fatty acids, amino acids and glucogenesis. Biotin is also useful as a tool in biotechnology, as it binds with very high affinity to both streptavidin and avidin. The 1D4-C5 monoclonal antibody can be used as a second-step reagent to detect cells stained with biotinylated primary antibodies.

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

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