

Anti-Human CD328-166Er

Catalog: 3166019B

Package Size: 100 tests

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

Reactivity: Human

Clone: 6-434

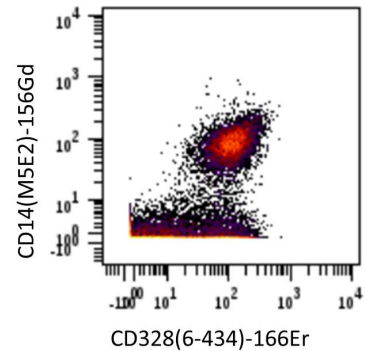
Isotype: IgG1

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 166Er-anti-CD328(6-434) and 156Gd-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The 6-434 monoclonal antibody specifically binds to Siglec-7, a 65 kD I-type lectin. Siglecs are cell surface receptors belonging to the immunoglobulin superfamily that recognize sugar antigens. Siglec-7 is also known as p75/AIRM1 and CD328. Siglec-7 is expressed as a monomer on NK cells, monocytes, a major subset of NK cells and also on a subset of CD8+ cells. Siglec-7 is thought to play a role in sialic acid-dependent cell-cell binding and may function as an inhibitory receptor of NK 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.

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