

Anti-Human Siglec 9-155Gd

Catalog: 3155004B

Clone: K8

Package Size: 100 tests

Isotype: IgG1

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

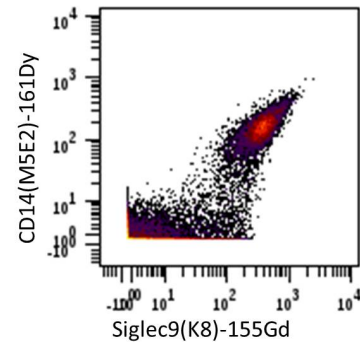
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Human

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 155Gd-anti-Siglec9(K8) and 161Dy-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The K8 monoclonal antibody specifically binds to Sialic acid-binding Ig-like lectin 9 (Siglec-9), also known as CD329. Siglecs are a family of I-type lectin cell surface receptors belonging to the immunoglobulin superfamily that recognize sugar antigens. Siglec-9 is expressed on peripheral blood monocytes, granulocytes and NK cells. Siglec-9 plays a role in negative regulation of T cell activation and it also thought to stimulate apoptosis in neutrophils.

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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