

Anti-Human CD33-163Dy

Catalog: 3163023B

Package Size: 100 tests

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

Reactivity: Chimpanzee

Clone: WM53

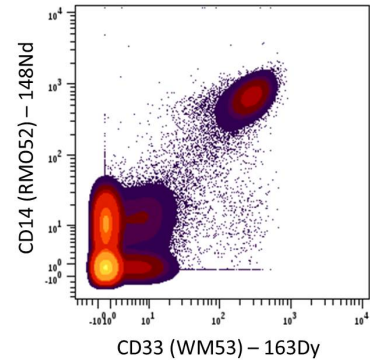
Isotype: Mouse IgG1

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 148Nd-anti-CD14 (RMO52) and 163Dy-anti-CD33 (WM53). Total viable cells are displayed in the analysis.

Description

CD33, also known as Siglec-3, gp67, p67, is a transmembrane glycoprotein. CD33 is expressed on myeloid progenitors, monocytes, granulocytes, dendritic cells and mast cells. It binds sialic acids and contains an intracellular tyrosine-based inhibitory motifs (ITIMs) that are implicated in inhibition of cellular activity.

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.

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Bodenmiller, B. et al. State Based Profiling of Small Molecule Regulators by Cell-Multiplexed Mass Cytometry. *Nature Biotechnology* 30: 858.

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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