

Anti-Human CD64-146Nd

Catalog: 3146006B

Package Size: 100 tests

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

Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Squirrel Monkey, Capuchin Monkey,

Clone: 10.1

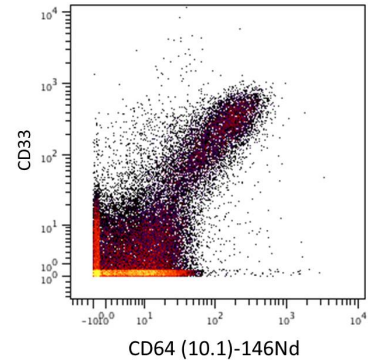
Isotype: IgG1

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 158Gd-anti-CD33 (WM53) and 146Nd-anti-CD64 (10.1). Lymphocytes are displayed in the analysis.

Description

CD64, also known as FcγRI and FcR I, is an integral membrane glycoprotein. It binds to monomeric IgG-type antibodies with high affinity and plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC). CD64's expression can be upregulated by IFN-γ stimulation. It can be found on monocytes/ macrophages, dendritic cells, and activated granulocytes.

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

North America +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | support.northamerica@fluidigm.com **Europe** +33 1 60 92 42 40 | support.europe@fluidigm.com

China (excluding Hong Kong) +86 21 3255 8368 | techsupportchina@fluidigm.com **Japan** +81 3 3662 2150 | techsupportjapan@fluidigm.com

All other Asian countries +1 650 266 6100 | techsupportasia@fluidigm.com **Central and South America** +1 650 266 6100 | techsupportlatam@fluidigm.com

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