

Anti-Human CD16-209Bi

Catalog: 3209002B

Clone: 3G8

Package Size: 100 tests

Isotype: IgG1

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

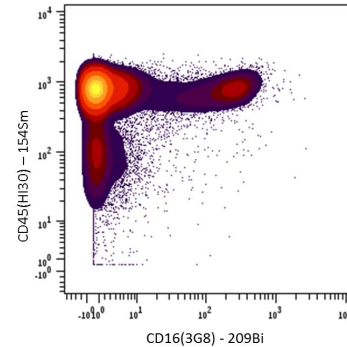
Formulation: Antibody stabilizer with 0.05% Sodium Azide

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 154Sm-anti-CD45 (HI30) and 209Bi-anti-CD16 (3G8). Total viable cells are displayed in the analysis.

Description

CD16, also known as low affinity IgG receptor III (FcγRIII), is a polypeptide-anchored transmembrane protein. The CD16a isoform is expressed on the surface of NK cells, activated monocytes, macrophages, and placental trophoblasts. The CD16b isoform is expressed specifically on neutrophils. CD16a and CD16b are 95% homologous and both recognized by the antibody clone 3G8.

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.

Bendall, S.C., et al. Single-Cell Mass Cytometry of Differential Immune and Drug Responses Across a Human Hematopoietic Continuum. *Science* 6 May 2011: 687-696.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

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