

Anti-Human CD16-148Nd

Catalog #: 3148004B

Package Size: 100 tests

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

Cross Reactivity: Cynomolgus Monkey, Rhesus, Chimpanzee, Olive Baboon, Pigtailed Macaque, Sooty Mangabey, Squirrel Monkey

Clone: 3G8

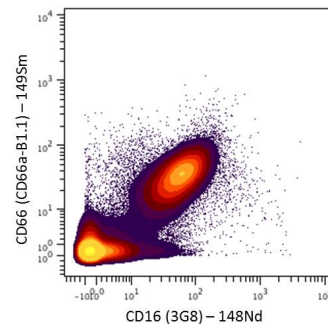
Isotype: Mouse IgG1

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 3×10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human lysed whole blood stained with 149Sm anti-CD66 (CD66a-B1.1) and 148Nd 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.

Contact Information:

Sales: sales@DVSsciences.com | Support: support@DVSsciences.com
www.DVSsciences.com | For assistance by phone: 855-DVS-CYTO

This product is intended for Research Use Only. This product is not intended for therapeutic or diagnostic purposes in humans or animals.
This product contains antibodies manufactured by and sold under license from BioLegend and licensees thereof.

© 2011 DVS Sciences Inc. The trademarks mentioned herein are the property of DVS Sciences Inc. or their respective owners. DVS Sciences Inc. products are warranted to meet stated product specifications and to conform to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to 6 months from date of sales for products used, handled and stored according to DVS Sciences, Inc. instructions. DVS Sciences, Inc. sole liability for the product is limited to replacement of the product or refund of the purchase price. Product may not be resold, modified for resale or used to manufacture commercial products without prior written approval from DVS Sciences Inc.

