

Anti-Human CD33-158Gd

Catalog #: 3158001B

Package Size: 100 tests

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

Cross Reactivity: Chimpanzee

Clone: WM53

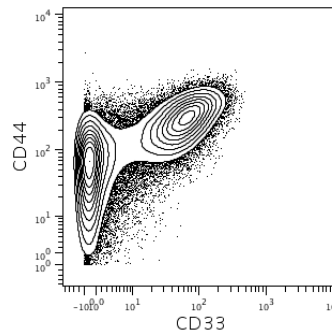
Isotype: Mouse IgG1

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 166Er-anti-CD44 (BJ18) and 158Gd-anti-CD33 (WM53).

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.

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

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