

Anti-Mouse CD64-151Eu

Catalog #: 3151012B

Package Size: 100 tests

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

Cross Reactivity: Mouse

Clone: X54-5/7.1

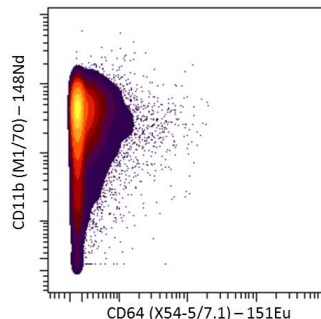
Isotype: Mouse IgG1

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.



Mouse bone marrow stained with 148Nd-anti-CD11b (M1/70) and 151Eu-anti-CD64 (X54-5/7.1). Total viable B220-CD3- cells are displayed in the analysis.

Description

CD64, also known as FcγRI is a high-affinity receptor for IgG, and is constitutively expressed on monocytes, macrophages and dendritic cells. CD64 is a 72 kDa glycoprotein expressed as a multimeric complex comprised of an α (ligand binding) chain and a γ chain homodimer. Its in vivo role is illustrated by CD64-deficient mice that exhibit impaired antibody-dependent cellular processes such as bacterial clearance, phagocytosis, antigen presentation and cytokine production.

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.

Contact Information:

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