

## Anti-Mouse CD16/32-144Nd

**Catalog #:** 3144009B

**Package Size:** 100 tests

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

**Cross Reactivity:** Mouse

**Clone:** 93

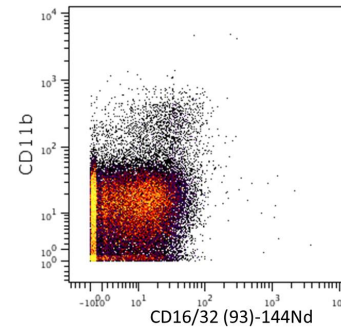
**Isotype:** Rat IgG2a

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes stained with 148Nd-anti- CD11b (M1/70 ) and 144Nd-anti-CD16/32 (93).

### Description

CD16 (FcγRIII) and CD32 (FcγRII) are both low affinity receptors for immunoglobulin of the gamma isotype. CD16 is a multichain receptor consisting of a membrane-anchored α chain that is associated with a γ-chain homodimer. CD32 is a transmembrane polypeptide encoded by a single gene. CD16 and CD32 are expressed on B cells, monocytes, macrophages, NK cells, granulocytes, mast cells and dendritic cells, where they bind antibody-antigen immune complexes and mediate adaptive immune responses. The clone 93 reacts with an epitope shared by CD16 and CD32.

### 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

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