

## Anti-Mouse Ly-6G/C (Gr-1)-174Yb

**Catalog #:** 3174008B

**Package Size:** 100 tests

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

**Cross Reactivity:** Mouse

**Clone:** RB6-8C5

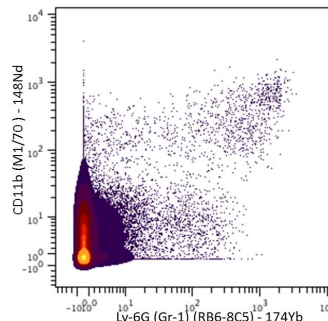
**Isotype:** Rat IgG2b

**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.



Mouse splenocytes stained with 148Nd-anti-CD11b(M1/70) and 174Yb-anti-Ly-6G/C (RB6-8C5). Total viable cells are displayed in the analysis.

### Description

Ly-6G/C, also known as the myeloid differentiation antigen Gr-1, is a GPI-linked protein. Ly-6G/C is expressed by the myeloid lineage in a developmentally regulated manner in the bone marrow. While monocytes only express Ly-6G/C transiently during their bone marrow development, expression on bone marrow granulocytes and peripheral neutrophils is a good marker for these populations. Blocking studies with Ly-6C (clone HK1.4) or RB6-8C5 show no effect against staining with the other clone thereby suggesting that RB6-8C5 does not recognize Ly-6C in resting bone marrow or splenocytes.

### 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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