# Elab Fluor® 647 Anti-Mouse Ly-6G/Ly-6C (Gr-1) Antibody[RB6-8C5]

**Catalog Number:** E-AB-F1120M

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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| **Reactivity** | Mouse |
| **Host** | Rat |
| **Isotype** | Rat IgG2b, κ |
| **Clone No.** | RB6-8C5 |
| **Isotype Control** | Elab Fluor® 647 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842M] |
| **Conjugation** | Elab Fluor®647 |
| **Conjugation Information** | Elab Fluor® 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

## Applications — Recommended usage

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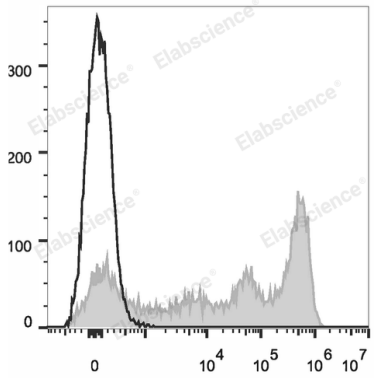
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




C57BL/6 murine bone marrow cells are stained with Elab Fluor® 647 Anti-Mouse Ly-6G/Ly-6C (Gr-1) Antibody (filled gray histogram). Unstained bone marrow cells (empty black histogram) are used as control.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | Gr-1;Gr1;Ly-6G/Ly-6C;Ly6G/Ly6C |
| **Uniprot ID** | P35461;P0CW03 |
| **Gene ID** | 546644;17067 |

**Background**

Gr-1 is a 21-25 kD protein also known as Ly-6G/Ly-6C. This myeloid differentiation antigen is a glycosylphosphatidylinositol (GPI)-linked protein expressed on granulocytes and macrophages. In bone marrow, the expression levels of Gr-1 directly correlate with granulocyte differentiation and maturation; Gr-1 is also transiently expressed on bone marrow cells in the monocyte lineage. Immature Myeloid Gr-1+ cells play a role in the development of antitumor immunity.