

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor<sup>®</sup> Red 780 Anti-Mouse Ly-6G/Ly-6C (Gr-1) Antibody[RB6-8C5]

Catalog Number: E-AB-F1120US

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

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**Reactivity** Mouse **Host** Rat

Isotype Rat IgG2b, κ
Clone No. RB6-8C5

Isotype Control Elab Fluor® Red 780 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843S]

Conjugation Elab Fluor® Red 780

**Conjugation Information** Elab Fluor<sup>®</sup> Red 780 is designed to be excited by the Red (627-640 nm) laser and

detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

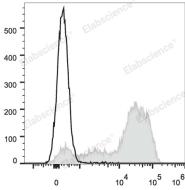
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume]

in 100 µL volume].

#### Data



C57BL/6 murine bone marrow cells are stained with Elab

Fluor<sup>®</sup> Red 780 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**

**Storage** Keep as concentrated solution.

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**

Alternate Names Gr-1;Gr1;Ly-6G/Ly-6C;Ly6G/Ly6C

 Uniprot ID
 P35461;P0CW03

 Gene ID
 546644;17067

# For Research Use Only

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#### **Elabscience Bionovation Inc.**

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# **Background**

Elabscience®

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.

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