

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 488 Anti-Mouse Ly-6G/Ly-6C (Gr-1) Antibody[RB6-8C5]

Catalog Number: E-AB-F1120UL

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

#### **Description**

Reactivity Mouse Rat Host

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

Isotype Control Elab Fluor® 488 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843L]

Conjugation Elab Fluor®488

**Conjugation Information** Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

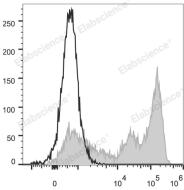
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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  $\mu g/10^6$  cells in 100 µL volume].

#### Data



C57BL/6 murine bone marrow cells are stained with Elab

Fluor® 488 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**

Keep as concentrated solution. Storage

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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Rev. V1.8

#### **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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