

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Ly-6G in Flow Cytometry.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 1A8
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Ly-6G transfected EL-4J cell line Accession # P35461
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Mouse bone marrow cells

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

The myeloid differentiation antigen Gr-1, also known as Ly-6G, is a member of the Ly-6 family (1). The 1A8 antibody binds to Ly-6G while the RB6-8C5 antibody also reacts weakly with Ly-6C-transfected EL4 cells (2). Ly-6G is a 21-25 kDa glycosylphosphatidylinositol-anchored protein that is predominately expressed in granulocytes in bone marrow.

#### References:

- Spangrude, G.J. *et al.* (1988) *Science* **241**:58.
- Fleming, T.J. *et al.* (1993) *J. Immunol.* **151**:2399.

#### PRODUCT SPECIFIC NOTICES

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