

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Ly-6G in Flow Cytometry.
Source	Monoclonal Rat IgG _{2B} Clone # 1A8
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Ly-6G transfected EL-4J cell line Accession # P35461
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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.

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

PREPARATION AND STORAGE

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

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:

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

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