Mouse Ly-6G (Gr-1) Alexa Fluor® 488-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 1A8

Catalog Number: FAB10371G

100 µg

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 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.** • 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 glycosyolphosphatidylinositol-anchored protein that is predominatly 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.

PRODUCT SPECIFIC NOTICES

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