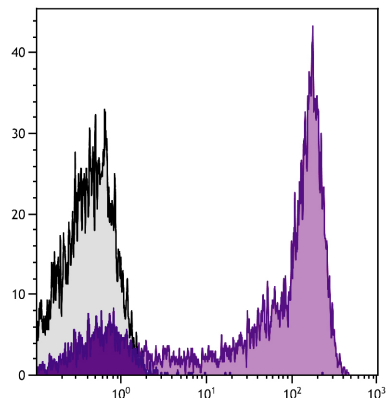




Rat Anti-Mouse Ly-6G/Ly-6C

Cat. No.	Format	Size
1900-01	Purified (UNLB)	0.5 mg
1900-02	Fluorescein (FITC)	0.5 mg
1900-08	Biotin (BIOT)	0.5 mg
1900-09	R-phycoerythrin (PE)	0.1 mg
1900-09L	R-phycoerythrin (PE)	0.2 mg
1900-11	Allophycocyanin (APC)	0.1 mg
1900-13	Spectral Red® (SPRD)	0.1 mg
1900-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1900-15	Cyanine 5 (CY5)	0.1 mg
1900-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	0.1 mg
1900-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
1900-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.1 mg
1900-26	Pacific Blue™ (PACBLU)	0.1 mg
1900-27	Alexa Fluor® 700 (AF700)	0.1 mg
1900-30	Alexa Fluor® 488 (AF488)	0.1 mg
1900-31	Alexa Fluor® 647 (AF647)	0.1 mg



BALB/c mouse bone marrow cells were stained with Rat Anti-Mouse Ly-6G/Ly-6C-PE/CY7 (SB Cat. No. 1900-17).

Overview

Clone	RB6-8C5
Isotype	Rat IgG _{2b} K
Immunogen	Unknown
Specificity	Mouse Ly-6G/Ly-6C; Mr 21-25 kDa
Alternate Name(s)	Gr-1

Description

Ly-6G/Ly-6C, formerly known as the myeloid differentiation antigen Gr-1, is a GPI-anchored protein. In the bone marrow, the level of antigen expression is directly correlated with granulocyte differentiation and maturation. It is also transiently expressed on monocytes in the bone marrow. In the periphery, Ly-6G/Ly-6C is expressed predominantly on neutrophils.

Applications

FC – Quality tested ^{1,11,12}
 IHC-FS – Reported in literature ⁷⁻¹⁰
 IP – Reported in literature ¹
 CMCD – Reported in literature ²
 Depletion – Reported in literature ³⁻⁶

Working Dilutions

Flow Cytometry	FITC, BIOT, AF488, and PACBLU conjugates	≤ 1 µg/10 ⁶ cells
	PE and AF647 conjugates	≤ 0.1 µg/10 ⁶ cells
	SPRD, APC, CY5, PE/CY5.5, PE/CY7, APC/CY7, and AF700 conjugates	≤ 0.03 µg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg of 2.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), R-phycoerythrin-Cyanine 7 (PE/CY7) and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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