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iF647 Anti-Mouse Ly-6G Antibody

Catalog Number:	200707, 200708
Size:	25 μg, 100 μg
Target Name:	Ly-6G, Lymphocyte antigen 6 complex, locus G
Regulatory Status:	RUO

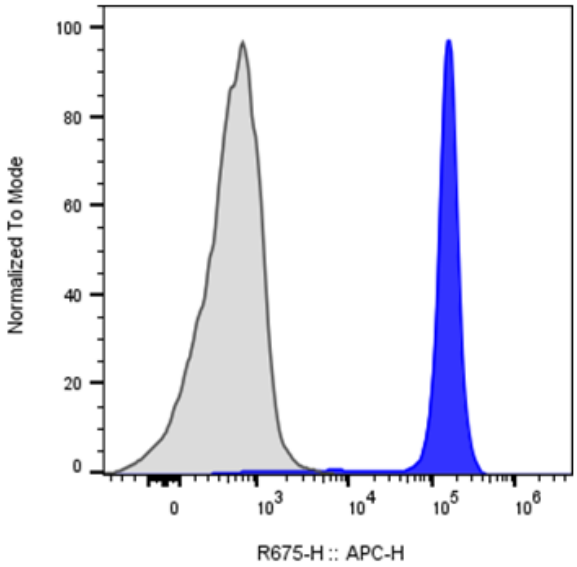
PRODUCT DETAILS

Clone:	1A8
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	iF647
Isotype:	Rat IgG2a
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
Protein Concentration:	Supplied at a lot-specific concentration.
Storage&Handling:	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Recommended Usage:	For flow cytometric staining, it is recommended to use less than 0.4 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. iF647 has an excitation max at 656 nm and an emission max at 670 nm.
Excitation Laser:	Red Laser (633 nm)
Isotype Control:	300203
RRID:	AB_3739001
GeneID:	546644

BACKGROUND INFORMATION

Lymphocyte antigen 6 complex, locus G (Ly-6G), is a 21-25 kDa glycosylphosphatidylinositol (GPI)-anchored surface protein. In mice, it is expressed predominantly on peripheral granulocytes, especially neutrophils, and on the majority of myeloid cells in the bone marrow. Ly-6G is transiently detected on developing monocytes but is stably and highly expressed on mature neutrophils. It plays important roles in neutrophil infiltration, recruitment, and migration, and associates with β2 integrins CD11a and CD11b to regulate their expression and function. The natural ligand for Ly-6G remains unknown, and it is widely used as a specific marker for murine neutrophils in immunological studies.

PRODUCT DATA



Mouse bone marrow cells stained with either iF647 Anti-Mouse Ly-6G clone 1A8 (blue histogram) or an isotype control (gray histogram).

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