

Biotin Anti-Mouse Ly-6G (Gr-1) Antibody

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| Catalog Number: | 200703, 200704 |
| Size: | 25 ug, 100 ug |
| Target Name: | Ly-6G, Lymphocyte antigen 6 complex, locus G, Gr-1 |
| Regulatory Status: | RUO |

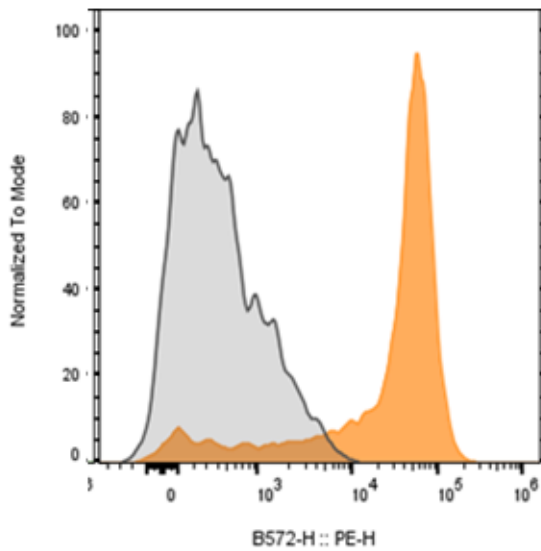
PRODUCT DETAILS

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| Clone: | 1A8 |
| Application: | Flow Cytometry |
| Reactivity: | Mouse |
| Format: | Biotin |
| 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: | 0.2 mg/mL |
| Storage&Handling: | The antibody solution should be stored between 2°C and 8°C |
| Recommended Usage: | For flow cytometric staining, it is recommended to use less than 0.1 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. For detection, use a secondary reagent with this product. |
| Isotype Control: | 300206 |
| RRID: | AB_3738999 |

BACKGROUND INFORMATION

Lymphocyte antigen 6 complex, locus G (Ly-6G), also known as Gr-1, 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 β 2 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 Biotin Anti-Mouse Ly-6G clone 1A8 (Orange histogram) or an isotype control (gray histogram), followed by SA-PE.

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