

30-2731B: Biotin Conjugated Anti-Ms Ly6G (clone: RB6-8C5)

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| Clonality : | Monoclonal |
| Clone Name : | RB6-8C5 |
| Application : | IHC,FACS,WB |
| Reactivity : | Mouse |
| Conjugate : | Biotin |
| Gene : | Ly6G |
| Gene ID : | 546644 |
| Uniprot ID : | A0A087WQF5 |
| Alternative Name : | lymphocyte antigen 6 complex, locus G Gr1, Gr-1, Ly-6G |
| Immunogen Information : | Murine granulocytes |

Description

Ly6G is a component of the myeloid differentiation antigen Gr-1, together with Ly6C. Ly6G is a good marker for detection of peripheral neutrophils. Expression of Gr-1 in bone marrow correlates with granulocyte differentiation and maturation. Physiological role of Ly6G remains still unclear. Its treatment with antibodies in vivo leads to neutropenia and has inhibitory effect on local immune responses.

Specificity :The rat monoclonal antibody RB6-8C5 detects Ly6G component of Gr-1 antigen, a commonly used surface marker of neutrophils.

Product Info

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| Amount : | 0.1 mg |
| Purification : | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography. |
| Content : | Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage condition : | Store at 2-8°C. Do not freeze. |

Application Note

Flow cytometry: Recommended dilution: 2-5 µg/ml.

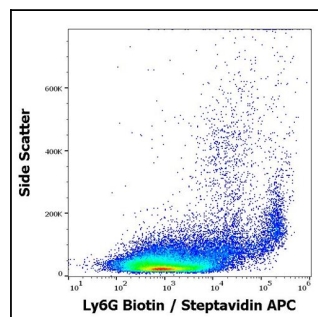


Figure 1: Flow cytometry surface staining pattern of murine peritoneal fluid cell suspension stained using anti-murine Ly6G (RB6-8C5) Biotin antibody

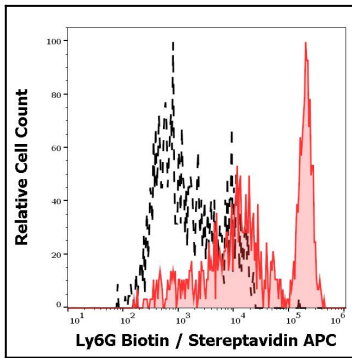


Figure 2: Separation of murine myeloid Ly6G positive cells stained using anti-Ly6G (RB-8C5) Biotin antibody (Streptavidin APC, red-filled) from murine myeloid cells unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis.