For Research Use Only

FcZero-rAb® Biotin Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5) Rabbit Recombinant Antibody

Catalog Number:Biotin-FcA65687-3

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
Biotin-FcA65687-3

Size:
100ug , 500 ug/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
X70920

GeneID (NCBI):
546644

Full Name:
lymphocyte antigen 6 complex, locus G

Purification Method:
Protein A purification

CloneNo.:
RB6-8C5

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse bone marrow cells,

Background Information

Ly-6G (lymphocyte antigen 6 complex, locus G), also known as Gr-1, is a 21-25 kDa, glycosylphosphatidylinositol-anchored protein expressed on myeloid lineage cells in mouse bone marrow (PMID: 8360469). The expression of Ly-6G increases on neutrophils as they differentiate from immature cells in the bone marrow to mature cells in the blood and spleen (PMID: 8890901). Antibodies targeting Ly6G (RB6-8C5 or 1A8) are commonly used in studies aimed at identifying the role of neutrophils (PMID: 23543767). The RB6-8C5 mAb has been reported to cross-react with Ly-6C on cells expressing Ly-6C (PMID: 8360469).

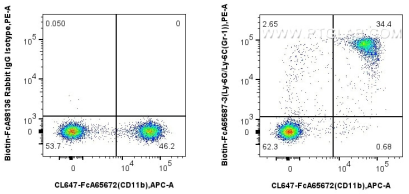
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

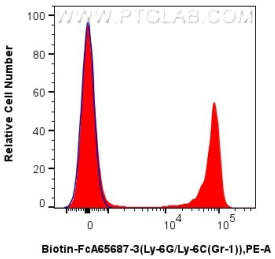
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10^6 mouse bone marrow cells were surface stained with 0.25 ug Biotin Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5) Rabbit RecAb (Biotin-FcA65687-3, Clone: RB6-8C5) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were co-stained with FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD11b (M1/70) Rabbit Recombinant



1x10^6 mouse bone marrow cells were surface stained with 0.25 ug Biotin Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5) Rabbit RecAb (Biotin-FcA65687-3, Clone: RB6-8C5)(red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-CoraLite® Plus 488 Conjugate (CL488-PF00030). Cells were not fixed.