

For Research Use Only

# FcZero-rAb® PE-Cyanine5.5 Anti-Mouse Ly-6G Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98284



## Basic Information

<b>Catalog Number:</b> PY5P5-FcA98284	<b>GenBank Accession Number:</b> NM_001310438.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 200 ug/ml	<b>GeneID (NCBI):</b> 546644	<b>CloneNo.:</b> 242141B11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35461	<b>Recommended Dilutions:</b> FC: 0.1 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> lymphocyte antigen 6 complex, locus G	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 692 nm
<b>Immunogen Catalog Number:</b> EG2609	<b>Calculated MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : mouse bone marrow cells,
<b>Species Specificity:</b> mouse	

## 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). This antibody specifically recognizes Ly-6G, but not Ly-6C.

## 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:

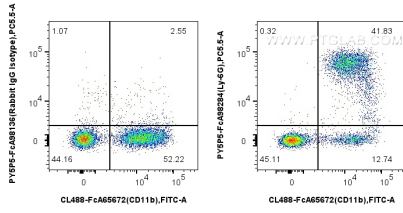
T: 4006900926

E: Proteintech-CN@ptglab.com

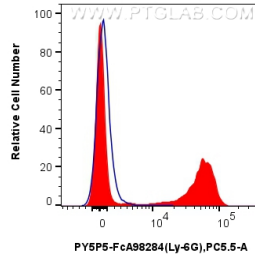
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Mouse CD11b (M1/70), and 0.1 ug PE-Cyanine5.5 Anti-Mouse Ly-6G Rabbit RecAb (PY5P5-FcA98284, Clone: 242141B11) or FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.1 ug PE-Cyanine5.5 Anti-Mouse Ly-6G Rabbit RecAb (PY5P5-FcA98284, Clone: 242141B11)(red) or FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.