

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Mouse Ly-6G Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98284



## Basic Information

|                                            |                                                            |                                                                                               |
|--------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CL647-FcA98284   | <b>GenBank Accession Number:</b><br>NM_001310438.1         | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Size:</b><br>100ug , 500 ug/ml          | <b>GeneID (NCBI):</b><br>546644                            | <b>CloneNo.:</b><br>242141B11                                                                 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P35461                               | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>lymphocyte antigen 6 complex, locus G | <b>Excitation/Emission maxima wavelengths:</b><br>654 nm / 674 nm                             |
| <b>Immunogen Catalog Number:</b><br>EG2609 | <b>Calculated MW:</b><br>14 kDa                            |                                                                                               |

## Applications

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

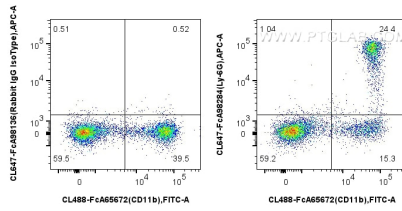
## Storage

**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

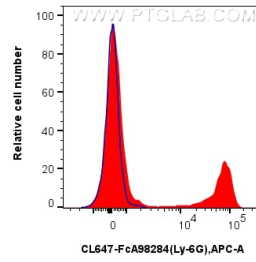
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with CoraLite® Plus 488 Anti-Mouse CD11b (M1/70), and 0.25 ug CoraLite® Plus 647 Anti-Mouse Ly-6G Rabbit RecAb (CL647-FcA98284, Clone: 242141B11) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse Ly-6G Rabbit RecAb (CL647-FcA98284, Clone: 242141B11) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.