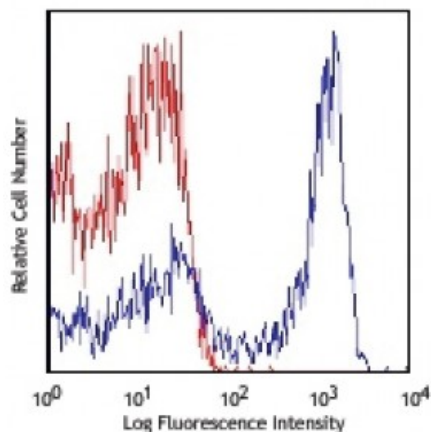


**APC/Cy7 anti-mouse Ly-6G**

<b>Catalog # / Size:</b>	1238115 / 25 µg 1238120 / 100 µg
<b>Clone:</b>	1A8
<b>Isotype:</b>	Rat IgG2a, κ
<b>Immunogen:</b>	Ly-6G transfected EL-4J cell line.
<b>Reactivity:</b>	Mouse
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Concentration:</b>	0.2



C57BL/6 bone marrow cells stained with 1A8 APC/Cy7

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** While 1A8 recognizes only Ly-6G, clone RB6-8C5 recognizes both Ly-6G and Ly-6C. Clone RB6-8C5 binds with high affinity to mouse Ly-6G molecules and to a lower extent to Ly-6C<sup>15</sup>. Clone RB6-8C5 impairs the binding of anti-mouse Ly-6G clone 1A8<sup>15</sup>. However, clone RB6-8C5 is able to stain in the presence of anti-mouse Ly-6C clone HK1.4<sup>16</sup>.

Additional reported applications (for the relevant formats) include: immunohistochemistry<sup>9</sup> of frozen sections<sup>10</sup> and paraffin-embedded sections<sup>11</sup>, and depletion<sup>4, 12-14</sup>. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 127620). For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 127632) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

- Application References:**
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**Description:** Lymphocyte antigen 6 complex, locus G (Ly-6G), a 21-25 kD GPI-anchored protein, is expressed on the majority of myeloid cells in bone marrow and peripheral granulocytes.

**Antigen** Fleming TJ, *et al.* 1993. *J. Immunol.* 151:2399.  
**References:**