

Alexa Fluor® 647 anti-mouse Ly-6G

Catalog # / Size: 127609 / 25 µg
127610 / 100 µg

Clone: 1A8

Isotype: Rat IgG2a, κ

Immunogen: Ly-6G transfected EL-4J cell line

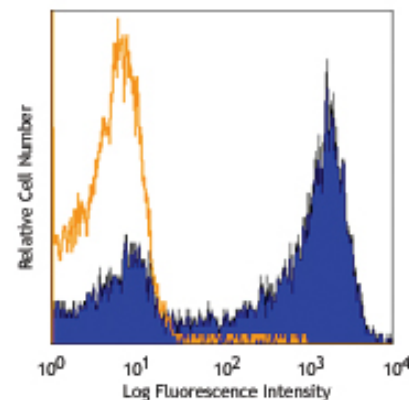
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



C57BL/6 mouse bone marrow cells stained with 1A8 Alexa Fluor® 647

Applications:

Applications: FC - Quality tested
IHC - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 µg per 10⁶ cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

** Alexa Fluor® is a registered trademark of Molecular Probes, Inc. Alexa Fluor® dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application Notes: While 1A8 recognizes only Ly-6G, clone RB6-8C5 recognizes both Ly-6G and Ly-6C. Additional reported applications (for the relevant formats) include: immunohistochemistry⁹ of frozen sections¹⁰ and paraffin-embedded sections¹¹, and depletion. 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/µg).

Application References:

1. Fleming TJ, *et al.* 1993. *J. Immunol.* 151:2399. (FC)
2. Daley JM, *et al.* 2008. *J. Leukocyte Biol.* 83:1. (FC)
3. Dietlin TA, *et al.* 2007. *J. Leukocyte Biol.* 81:1205. (FC)
4. Daley J, *et al.* 2007. *J. Leukocyte Biol.* doi:10.1189. (Deplete) PubMed
5. Tadagavadi RK, *et al.* 2010. *J. Immunol.* 185:4904. PubMed
6. Sumagin R, *et al.* 2010. *J. Immunol.* 185:7057. PubMed
7. Guiducci C, *et al.* 2010. *J. Exp Med.* 207:2931. PubMed
8. Fujita M, *et al.* 2011. *Cancer Res.* 71:2664. PubMed
9. Van Leeuwen, *et al.* 2008. *Arterioscler. Thromb. Vasc. Biol.* 28:84. (IHC)
10. Kowanetz M, *et al.* 2010. *P. Natl. Acad. Sci. USA* 107:21248. [supplementary data] (IHC)
11. Gelderblom M, *et al.* 2012. *Blood* 120:3793. [supplementary data] (IHC)

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

Related Products:

Product	Clone	Application
Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC



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