

APC/Fire™ 750 anti-mouse Ly-6C

Catalog # / Size: 1240230 / 100 µg
1240225 / 25 µg

Clone: HK1.4

Isotype: Rat IgG2c, κ

Immunogen: L3 cloned CTL cells

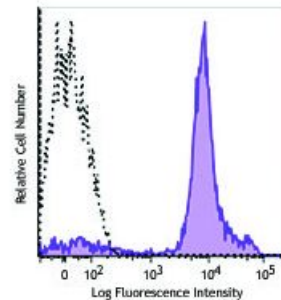
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™

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

Workshop Number: 750 under optimal conditions.

Concentration: 0.2 mg/ml



C57BL/6 mouse bone marrow cells were stained with Ly-6C (clone HK1.4) APC/Fire™ 750 (filled histogram). Open histogram represents non-stained cells. Data shown was gated on the myeloid population.

Applications:

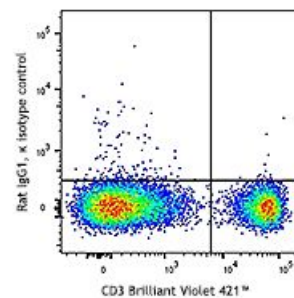
Applications: Flow Cytometry

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 ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Clone HK1.4 does not block the binding of clone RB6-8C5⁸.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Additional reported applications (for relevant formats of this clone) include: *in vitro* activation of T cells¹⁻³ and immunohistochemistry of frozen sections⁴.



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

**Application
References:**

1. Jutila MA, *et al.* 1988. *Eur. J. Immunol.* 18:1819. (Activ)
 2. Herold KC, *et al.* 1990. *Diabetes* 39:815. (Activ)
 3. Havran WL, *et al.* 1988. *J. Immunol.* 140:1034 (Activ)
 4. Flanagan K, *et al.* 2008. *J. Immunol.* 180:3874. (IHC)
 5. Makaroff LE, *et al.* 2009. *P. Natl. Acad. Sci. USA* 106:4799. (FC)
 6. Zuber J, *et al.* 2009. *Genes Dev.* 23:877. (FC) [PubMed](#)
 7. Ribechini E, *et al.* 2009. *Eur. J. Immunol.* 39:3538.
 8. Ma C, *et al.* 2012. *J. Leukoc. Biol.* 92:1199.
 9. Watson NB, *et al.* 2015. *J Immunol.* 194:2796. [PubMed](#)
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Description: Most hematopoietic cells express one or more members of Ly-6 family. The expression of Ly-6 varies with development stage and activation. Ly-6C is a 14-17 kD GPI-linked surface protein expressed on mouse monocyte/macrophage cells, endothelial cells, neutrophils, and some T cell subsets. Ly-6C is reported to be an indicator of memory CD8⁺ T cells.

**Antigen
References:**

1. Jutila MA, *et al.* 1988. *Eur. J. Immunol.* 18:1819.
2. Cerwenka A, *et al.* 1998. *J. Immunol.* 161:97.