

Alexa Fluor® 700 anti-mouse Ly-6C

Catalog # / Size: 1240120 / 100 µg
1240115 / 25 µg

Clone: HK1.4

Isotype: Rat IgG2c, κ

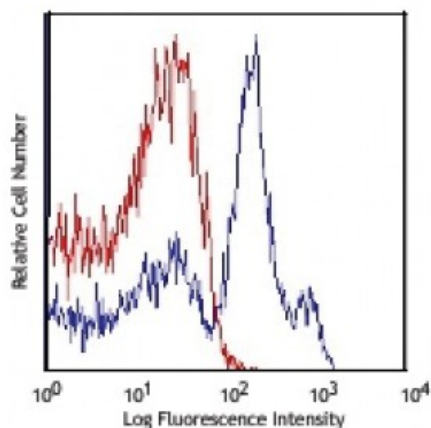
Immunogen: L3 cloned CTL cells

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

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

Concentration: 0.5



C57BL/6 bone marrow cells stained with HK1.4 Alexa Fluor® 700

Applications:

Applications: Flow Cytometry

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

* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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

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

- 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](#)

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.