

Product Data Sheet

Biotin anti-mouse Ly-6C

Catalog # / Size: 128003 / 50 µg
128004 / 500 µg

Clone: HK1.4

Isotype: Rat IgG2c, κ

Immunogen: L3 cloned CTL cells

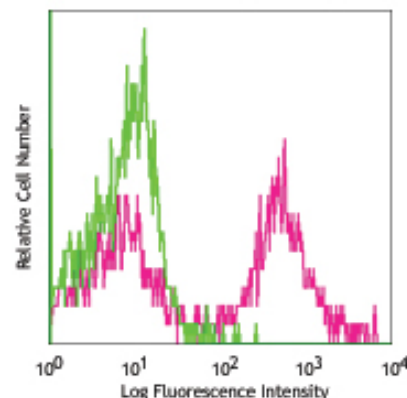
Reactivity: Mouse

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

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. **Do not freeze.**



BALB/c bone marrow cells stained with HK1.4 biotin, followed by Sav-PE

Applications:

Applications: FC -Quality tested

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 10^6 cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for relevant formats of this clone) include: *in vitro* activation of T cells^{1-3, 6} and immunohistochemistry of frozen sections⁴.

Application References:

1. Jutila MA, *et al.* 1988. *Eur. J. Immunol.* 18:1819.
2. Herold KC, *et al.* 1990. *Diabetes* 39:815.
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

Description: Most hemopoietic 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.

Related Products:

Product
 Biotin Rat IgG2c, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 RTK4174

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Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC



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