

TECHNICAL DATA SHEET

PE Anti-Mouse Ly-6C (HK1.4)

Catalog Number: 50-5932

PRODUCT INFORMATION

Contents: PE Anti-Mouse Ly-6C (HK1.4)

Isotype: Rat IgG2c, kappa

Concentration: 0.2 mg/mL

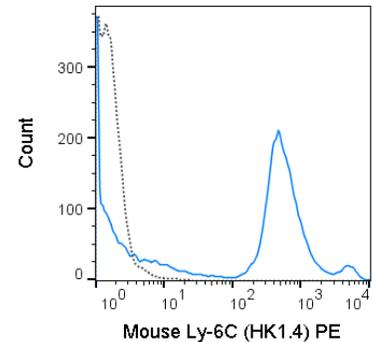
Clone: HK1.4

Reactivity: Mouse

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



C57Bl/6 bone marrow cells were stained with 0.125 ug PE Anti-Mouse Ly-6C (50-5932) (solid line) or 0.125 ug PE Rat IgG2c isotype control (dashed line).

DESCRIPTION

The HK1.4 monoclonal antibody reacts with mouse Ly-6C, a 15-17kD GPI-linked cell-surface protein. Ly-6C is expressed on monocyte/macrophage cells, endothelial cells, granulocytes and a subset of lymphocytes. Mice strains with the Ly-6.2 alloantigen have subsets of both Ly-6C positive CD4 and CD8 cells while Ly-6.1 expressing strains have only the CD8 Ly-6C positive subset.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

- Havran WL, Lancki DW, Moldwin RL, Dialynas DP, Fitch FW. 1988. J Immunol. 140(4):1034-1042.
 Jutila MA, Kroese FG, Jutila KL, Stall AM, Fiering S, Herzenberg LA, Berg EL, Butcher EC. 1988. Eur J Immunol. 18(11):1819-1826.
 Makaroff LE, Hendricks DW, Niec RE, Fink PJ. 2009. Proc Natl Acad Sci U S A. 106(12):4799-804.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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