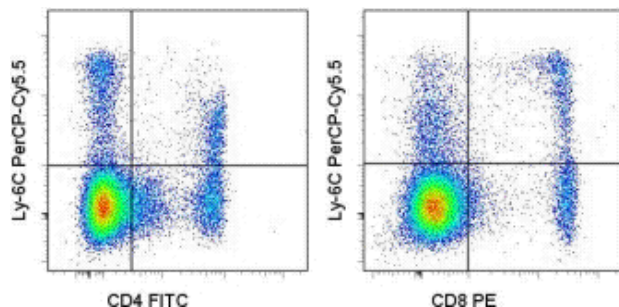


## Anti-Mouse Ly-6C PerCP-Cyanine5.5

Catalog Number: 45-5932

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 splenocytes with Anti-Mouse CD4 FITC (cat. 11-0041) (left) and Anti-Mouse CD8a PE (cat. 12-0081) (right) and 0.5 µg of Anti-Mouse Ly-6C PerCP-Cyanine5.5. Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse Ly-6C PerCP-Cyanine5.5

**REF** **Catalog Number:** 45-5932

**Clone:** HK1.4

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2c, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The monoclonal antibody HK1.4 recognizes mouse Ly-6C, a GPI-linked protein of the Ly6 family. Ly-6C is found on monocytes/macrophages, endothelial cells and granulocytes as well as a subset of lymphocytes. Some variation of expression is found on different mouse strains in regards to expression on CD4 and CD8 lymphocytes. These correlate to 2 alleles both of which are recognized by HK1.4: Ly6c.1 found on C57Bl/6 and SJL cells which results in staining of both CD4 and CD8 cells while Ly6-C.2 found on BALB/c and 3H/He results in staining of CD8, but not CD4 cells.

*In vitro* addition of HK1.4 antibody can increase proliferation and stimulate cytokine release.

### Applications Reported

This HK1.4 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HK1.4 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Pflugh DL, Maher SE, Bothwell AL. Ly-6 superfamily members Ly-6A/E, Ly-6C, and Ly-6I recognize two potential ligands expressed by B lymphocytes. J Immunol. 2002 Nov 1;169(9):5130-6. (**HK1.4**, FC PubMed)

Havran WL, Lancki DW, Moldwin RL, Dialynas DP, Fitch FW. Characterization of an anti-Ly-6 monoclonal antibody which defines and activates cytolytic T lymphocytes. J Immunol. 1988 Feb 15;140(4):1034-42. (**HK1.4**, FC, FA PubMed)

### Related Products

11-0041 Anti-Mouse CD4 FITC (GK1.5)

12-0081 Anti-Mouse CD8a PE (53-6.7)

17-5931 Anti-Mouse Ly-6G (Gr-1) APC (RB6-8C5)

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