

# Anti-Mouse Ly-6C Antibody, Clone HK1.4, APC

Rat monoclonal antibody against mouse Ly-6C, APC-conjugated

Catalog #100-1637

100 µg

0.2 mg/mL

## Product Description

This monoclonal antibody reacts with mouse lymphocyte antigen 6 family member C (Ly-6C), a 14 - 17 kDa glycosylphosphatidylinositol (GPI)-linked protein of the Ly6 family. Ly-6C is expressed on monocytes, macrophages, endothelial cells, granulocytes, and a subset of lymphocytes. It has been reported that Ly-6C is an indicator of memory CD8+ T cells. Ly-6C is regulated by interferon gamma and may play a role in the development and maturation of lymphocytes. Some variation of Ly-6C expression on CD4 and CD8 lymphocytes is found in different mouse strains. Mouse strains with the Ly-6.2 alloantigen have subsets of CD4 and CD8 cells that express Ly-6.2, whereas strains with the Ly-6.1 alloantigen possess only Ly-6.1+ CD8 subsets.

Target Antigen:	Ly-6C
Alternative Names:	Ly6C, Ly-6C1
Gene ID:	17067
Species Reactivity:	Mouse
Host Species:	Rat
Clonality:	Monoclonal
Clone:	HK1.4
Isotype:	IgG2c, kappa
Immunogen:	Mouse CTL clone L3
Conjugate:	APC (Allophycocyanin)

## Applications

Verified Applications: FC

Reported Applications: FC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; FCXM: Flow cytometric crossmatch assay; FISH: Fluorescence in situ hybridization; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IHC-F: Immunohistochemistry (frozen-tissue); IHC-P: Immunohistochemistry (paraffin-embedded); IP: Immunoprecipitation; NMR: Nuclear magnetic resonance spectroscopy; RIA: Radioimmunoassay; WB: Western blotting

## Properties

**Product Formulation:** Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.1% gelatin

**Purification:** The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC.

**Stability and Storage:** Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. Stable until expiry date (EXP) on label.

**Directions for Use:** For flow cytometry, the suggested use of this antibody is  $\leq 1 \mu\text{g}$  per  $1 \times 10^6$  cells in 100  $\mu\text{L}$ . It is recommended that the antibody be titrated for optimal performance for each application.

## Related Products

For a complete list of antibodies, including other conjugates, sizes, and clones, as well as related products available from STEMCELL Technologies, visit [www.stemcell.com/antibodies](http://www.stemcell.com/antibodies), or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

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