

For Research Use Only

# PE-Cyanine7 Anti-Mouse Ly-6C (HK1.4) Rat Recombinant Antibody

Catalog Number: PY7-65669



## Basic Information

Catalog Number:

PY7-65669

Size:

100ug , 200 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC010764

GeneID (NCBI):

17067

UNIPROT ID:

POCW02

Full Name:

lymphocyte antigen 6 complex, locus C1

Purification Method:

Protein G purification

CloneNo.:

HK1.4

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 778 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse bone marrow cells,

## Background Information

Ly-6C (lymphocyte antigen 6 complex, locus C) is a 14-17 kDa GPI-linked cell surface antigen that belongs to the Ly-6 family of glycosyl phosphatidylinositol-anchored surface glycoproteins (PMID: 9192663). Ly-6C is expressed on mouse monocytes/macrophages, endothelial cells, granulocytes, thymocytes, and some T cell subsets (PMID: 2849552). The two alleles of Ly-6C, Ly-6C.1 and Ly-6C.2, result in differential expression of this protein on subpopulations of CD4<sup>+</sup> T cells (PMID: 15057973; 9126982). Ly-6C has been reported as a marker of memory CD8<sup>+</sup> T cells (PMID: 7543536).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

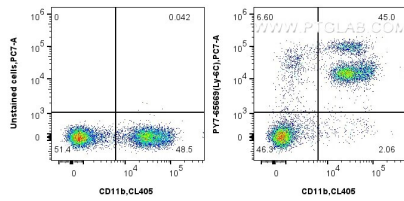
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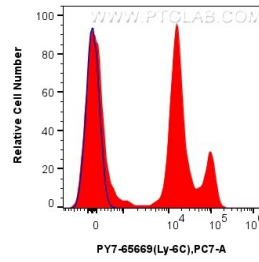
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with CoraLite® Plus 405 Anti-Mouse CD11b, and 0.1 ug PE-Cyanine7 Anti-Mouse Ly-6C (HK1.4) Rat RecAb (PY7-65669, Clone: HK1.4) or unstained. Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse Ly-6C (HK1.4) Rat RecAb (PY7-65669, Clone: HK1.4) (red) or unstained (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.