

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse Ly-6C (HK1.4) Rat IgG2a Recombinant Antibody

Catalog Number: **CL488-65669**



## Basic Information

Catalog Number:

CL488-65669

Size:

100ug , 500 ug/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC010764

GeneID (NCBI):

17067

Full Name:

lymphocyte antigen 6 complex, locus C1

Purification Method:

Protein A purification

CloneNo.:

HK1.4

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 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, pH7.3

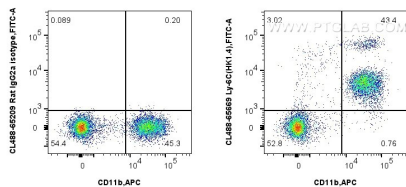
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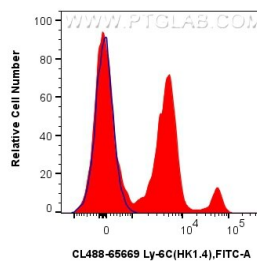
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with APC Anti-Mouse CD11b, and 0.25 ug CoraLite® Plus 488 Anti-Mouse Ly-6C (HK1.4) Rat IgG2a RecAb (CL488-65669, Clone: HK1.4) or CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3) (CL488-65209, Clone: 2A3). Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse Ly-6C (HK1.4) Rat IgG2a RecAb (CL488-65669, Clone: HK1.4) (red) or CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3) (CL488-65209, Clone: 2A3) (blue). Cells were not fixed.