

For Research Use Only

# CoraLux Violet 510 Anti-Mouse Ly-6C (HK1.4) Rat Recombinant Antibody

Catalog Number: CLV510-65669



## Basic Information

|                                           |                                                             |                                                                                               |
|-------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CLV510-65669    | <b>GenBank Accession Number:</b><br>BC010764                | <b>Purification Method:</b><br>Protein G purification                                         |
| <b>Concentration:</b><br>100ug, 500 ug/ml | <b>GeneID (NCBI):</b><br>17067                              | <b>CloneNo.:</b><br>HK1.4                                                                     |
| <b>Source:</b><br>Rat                     | <b>UNIPROT ID:</b><br>POCW02                                | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG2a                  | <b>Full Name:</b><br>lymphocyte antigen 6 complex, locus C1 | <b>Excitation/Emission maxima wavelengths:</b><br>410 nm / 501 nm                             |

## Applications

|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| <b>Tested Applications:</b><br>FC    | <b>Positive Controls:</b><br>FC : mouse bone marrow cells, |
| <b>Species Specificity:</b><br>mouse |                                                            |

## 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

For technical support and original validation data for this product please contact:

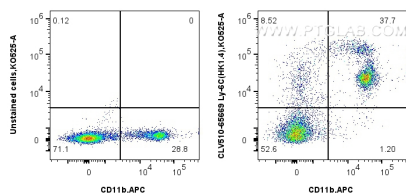
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

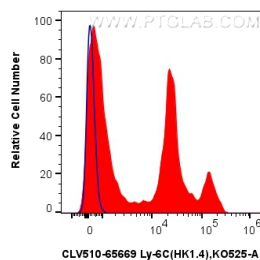
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with APC Anti-Mouse CD11b, and 0.25 ug CoraLux Violet 510 Anti-Mouse Ly-6C (HK1.4) Rat RecAb (CLV510-65669, Clone: HK1.4) or unstained. Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug CoraLux Violet 510 Anti-Mouse Ly-6C (HK1.4) Rat RecAb (CLV510-65669, Clone: HK1.4) (red) or unstained (blue). Cells were not fixed.