

## Anti-Mouse Ly-6C-162Dy

**Catalog #:** 3162014B

**Package Size:** 100 tests

**Storage:** Store product at 4°C. Do not freeze.

**Cross Reactivity:** Mouse

**Clone:** HK1.4

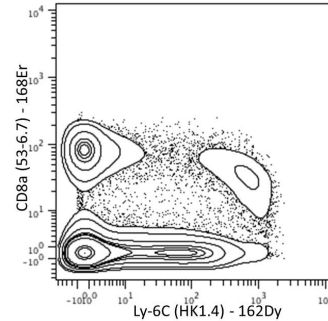
**Isotype:** Rat IgG2c

**Formulation:** Antibody stabilizer with 0.05% Sodium Azide

### Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes stained with 168Er-anti-CD8a (53-6.7) and 162Dy-anti-Ly-6C (HK1.4). T lymphocytes are displayed in the analysis.

### Description

Ly-6C is a 14-17 kDa GPI-linked cell surface glycoprotein that is widely used to identify functionally discrete murine circulating monocyte populations. Ly-6Chi monocytes are recruited early to inflammatory environments and thought to be proinflammatory, whereas Ly-6Cl<sup>o</sup> monocytes are a more patrolling cell type and can replenish resident tissue macrophages. In addition to monocytes/macrophages, Ly-6C is also expressed by endothelial cells, neutrophils and some T cell subsets. Ly-6C been reported to be an indicator of memory CD8+ T cells.

### References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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