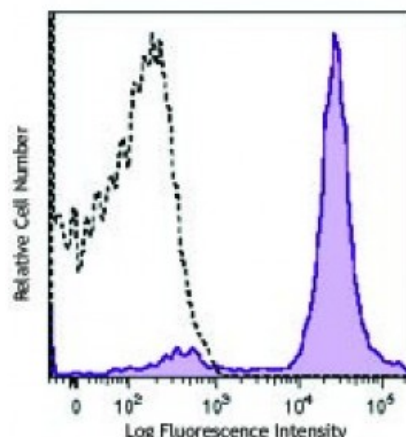


Brilliant Violet 605™ anti-mouse Ly-6C

Catalog # / Size:	1240175 / 125 µl 1240180 / 500 µl
Clone:	HK1.4
Isotype:	Rat IgG2c, κ
Immunogen:	L3 cloned CTL cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 605™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 605™ and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	Lot-specific



C57BL/6 mouse bone marrow cells were stained with Ly-6C (clone HK1.4) Brilliant Violet 605™ (filled histogram). Open histogram represents non-stained cells. Data shown was gated on the myeloid population.

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. **Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel.** Refer to your instrument manual or manufacturer for support. Brilliant Violet 605™ is a trademark of Sirigen Group Ltd.

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Application Notes:	Clone HK1.4 does not block the binding of clone RB6-8C5 ⁸ . Additional reported applications (for relevant formats of this clone) include: <i>in vitro</i> activation of T cells ¹⁻³ and immunohistochemistry of frozen sections ⁴ .
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Application References:	1. Jutila MA, <i>et al.</i> 1988. <i>Eur. J. Immunol.</i> 18:1819. (Activ) 2. Herold KC, <i>et al.</i> 1990. <i>Diabetes</i> 39:815. (Activ) 3. Havran WL, <i>et al.</i> 1988. <i>J. Immunol.</i> 140:1034 (Activ) 4. Flanagan K, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:3874. (IHC)
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5. Makaroff LE, *et al.* 2009. *P. Natl. Acad. Sci. USA* 106:4799. (FC)
 6. Zuber J, *et al.* 2009. *Genes Dev.* 23:877. (FC) [PubMed](#)
 7. Ribechini E, *et al.* 2009. *Eur. J. Immunol.* 39:3538.
 8. Ma C, *et al.* 2012. *J. Leukoc. Biol.* 92:1199.
 9. Watson NB, *et al.* 2015. *J Immunol.* 194:2796. [PubMed](#)
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Description: Most hematopoietic cells express one or more members of Ly-6 family. The expression of Ly-6 varies with development stage and activation. Ly-6C is a 14-17 kD GPI-linked surface protein expressed on mouse monocyte/macrophage cells, endothelial cells, neutrophils, and some T cell subsets. Ly-6C is reported to be an indicator of memory CD8⁺ T cells.

Antigen
References: 1. Jutila MA, *et al.* 1988. *Eur. J. Immunol.* 18:1819.
2. Cerwenka A, *et al.* 1998. *J. Immunol.* 161:97.