SONY

Product Data Sheet

Alexa Fluor® 488 anti-mouse Ly-6C

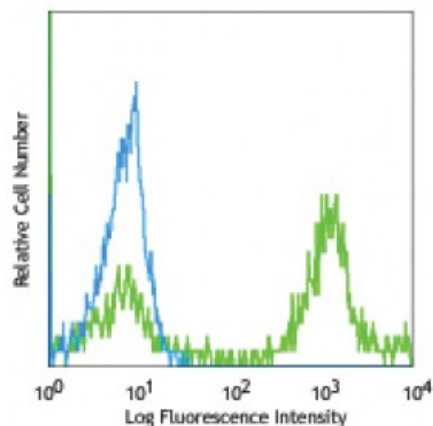|	
Catalog # / Size:	1240110 / 100 µg
	1240105 / 25 µg
Clone:	HK1.4
Isotype:	Rat IgG2c, κ
Immunogen:	L3 cloned CTL cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

C57BL/6 bone marrow cells stained with anti-mouse Ly-6C, HK1.4 Alexa Fluor® 488

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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
	* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.
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: *in vitro* activation of T cells[1-3] and immunohistochemistry of frozen sections4.
Application References:	1. Jutila MA, *et al.* 1988. *Eur. J. Immunol.* 18:1819. (Activ)
	2. Herold KC, *et al.* 1990. *Diabetes* 39:815. (Activ)
	3. Havran WL, *et al.* 1988. *J. Immunol.* 140:1034 (Activ)
	4. Flanagan K, *et al.* 2008. *J. Immunol.* 180:3874. (IHC)
	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

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.