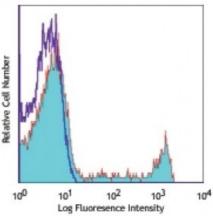
Product Data Sheet

Alexa Fluor[®] 647 anti-human CD8a

Catalog # / Size:	2105310 / 100 µg 2105125 / 25 tests	Ju.
	2105110 / 100 tests	. M
Clone:	RPA-T8	Relative Cell Number
Isotype:	Mouse lgG1, κ	
Reactivity:	Human	
Preparation:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.	
Formulation:	microg size: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).	10 ⁰ 1 L Human pe Iymphocyt Alexa Fluo
Workshop Number:	IV T171	
Concentration:	microg sizes: 0.5 mg/ml test sizes: lot-specific	



Human peripheral blood lymphocytes stained with RPA-T8 Alexa Fluor® 647

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 using the microg size, the suggested use of this reagent is ≤0.5 microg per million cells in 100 microL volume. For flow cytometric staining using the test sizes, 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.

* Alexa Fluor $\ensuremath{\mathbb{R}}$ 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

Application
Notes: The RPA-T8 antibody does not block the binding of HIT8a antibody to CD8a.
Additional reported applications of this antibody (for the relevant formats) include: immunohistochemical staining of paraformaldehyde-fixed frozen sections3 and costimulation of T cell responses4. This clone was tested in-house and does not work on formalin fixed paraffin-embedded (FFPE) tissue. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 301018).

Application	1. Knapp W, et al. Eds. 1989. Leucocyte Typing IV. Oxford University Press. New
References:	York.
	2. Schlossman S, <i>et al.</i> Eds. 1995. Leucocyte Typing V. Oxford University Press.
	New York.
	3. Mack CL, <i>et al.</i> 2004. <i>Pediatr. Res.</i> 56:79. (IHC)
	4. Magidovich E, <i>et al.</i> 2007. <i>P. Natl. Acad. Sci. USA</i> 104:13022.
	5. Thakarl D, <i>et al.</i> 2008. <i>J. immunol.</i> 180:7431. <u>PubMed</u>
	5. Kmieciak M, <i>et al.</i> 2009. <i>J. Transl. Med.</i> 7:89. (FC) PubMed
	6. Thakral D, et al. 2008. J. Immunol. 180:7431. (FC) PubMed

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Antigen 1. Barclay N, *et al.* 1993. The Leucocyte Antigen FactsBook. Academic Press Inc. **References:** San Diego.