BioLegend
The path to legendary discovery™

Product Data Sheet

Alexa Fluor® 647 anti-mouse CD8b

Catalog # / Size: 126611 / 25 µg
126612 / 100 µg

Clone: YTS156.7.7

Isotype: Rat IgG2b, κ

Immunogen: mouse thymocytes

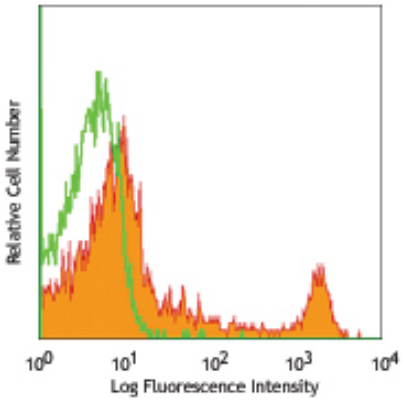
Reactivity: mouse CD8 beta chain

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



57BL/6 mouse splenocytes stained with YTS156.7.7 Alexa Fluor® 647

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.06 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.
** Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen tissue sections.

Application References:
1. McNical AM, *et al.* 2007. *Eur. J. Immunol.* 37:1634.

Description: CD8b is the 32 kD β chain of CD8, also known as Lyt-3 or Ly-3. It is a member of the Ig superfamily expressed as a heterodimer with the CD8α chain on a subset of MHC class I-restricted T cells and most thymocytes. CD8 is a co-receptor for the TCR complex involved in T cell activation.

Antigen References:
1.Barclay A, *et al.* 1997. The Leukocyte antigen Facts Book Academic Press.
2. Zamoyska R. 1994. *Immunity* 1:243-246.
3. Ellmeier W, *et al.* 1999. *Annu. Rev Immunol* 17:523.
4. Ledbetter JA, *et al.* 1981. *J. Exp. Med.* 153:1503.

Related Products:

Product	Clone	Application
Cell Staining Buffer		FC, ICC, ICFC
Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl	RTK4530	FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

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