

Alexa Fluor® 488 anti-mouse CD8b (Ly-3)

Catalog # / Size: 1233135 / 25 µg
1233140 / 100 µg

Clone: YTS156.7.7

Isotype: Rat IgG2b, κ

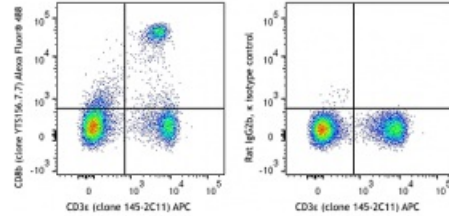
Immunogen: Mouse thymocytes

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 488.

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

Concentration: 0.5 mg/ml



C57BL/6 mouse splenocytes were first treated with TruStain FcX™ (anti-mouse CD16/32) Antibody and True-Stain Monocyte Blocker™. Cells were then stained with CD3ε APC and CD8b (clone YTS156.7.7) Alexa Fluor® 488 (left) or Rat IgG2b, κ Alexa Fluor® 488 isotype control (right).

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 µg per million cells in 100 µl 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: 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.