

**PE anti-mouse CD8b**

**Catalog # / Size:** 1233040 / 200 µg  
1233035 / 50 µg

**Clone:** YTS156.7.7

**Isotype:** Rat IgG2b, κ

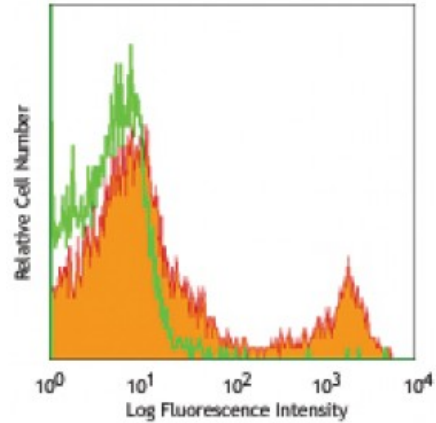
**Immunogen:** Mouse thymocytes

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

**Concentration:** 0.2



C57BL/6 mouse splenocytes stained with YTS156.7.7 PE

**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 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**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.*