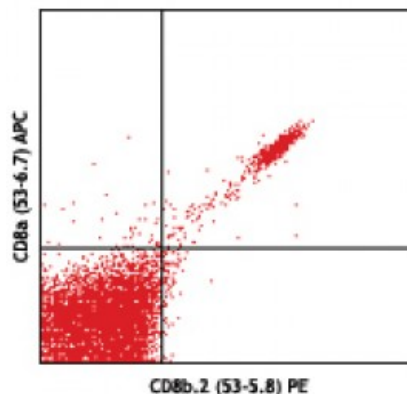


**PE anti-mouse CD8b.2**

**Catalog # / Size:** 1302040 / 200 µg  
**Clone:** 53-5.8  
**Isotype:** Rat IgG1, κ  
**Immunogen:** Mouse thymus or spleen  
**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 CD8b.2 (53-5.8) PE and CD8a (53-6.7) APC

**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.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunofluorescence<sup>3</sup>, immunohistochemical staining<sup>4</sup> of frozen tissue section using dry ice-isopentane method and immunoprecipitation<sup>5</sup>.

**Application References:**

1. Ledbetter J, *et al.* 1979. *Immunol. Rev.* 47:63.
2. Ledbetter J, *et al.* 1980. *J. Exp. Med.* 152:280.
3. Vremec D, *et al.* 2000. *J. Immunol.* 164:2978. (IF)
4. Lawrence D, *et al.* 1999. *J. Virol.* 73:1795. (IHC)
5. Bosselut R, *et al.* 1999. *J. Exp. Med.* 190:1517. (IP)

**Description:** CD8b is the 32 kD β chain of CD8, also known as Lyt-3.2 or Ly-3.2. 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. The antibody 53-5.8 is specific for Ly-3.2 and has low reactivity with Ly-3.1.

**Antigen References:**

1. Ledbetter J, *et al.* 1981. *J. Exp. Med.* 153:1503.
2. Renard V, *et al.* 1996. *J. Exp. Med.* 184:2439.