

FITC anti-mouse CD8b.2

Catalog # / Size: 1302020 / 500 µg
1302015 / 50 µg

Clone: 53-5.8

Isotype: Rat IgG1, κ

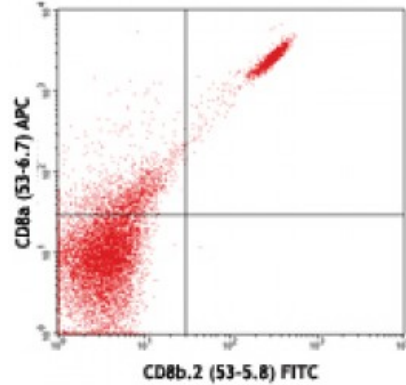
Immunogen: Mouse thymus or spleen

Reactivity: Mouse

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

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

Concentration: 0.5



C57BL/6 mouse splenocytes stained with CD8b.2 (53-5.8) FITC 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: immunofluorescence³, immunohistochemical staining⁴ of frozen tissue section using dry ice-isopentane method and immunoprecipitation⁵.

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)
6. Das DK, *et al.* 2015. *PNAS.* 112:1517. [PubMed](#)

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.