SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-mouse CD8b.2

Catalog # / Size: 1302090 / 100 µg
1302085 / 25 µg

Clone: 53-5.8

Isotype: Rat IgG1, κ

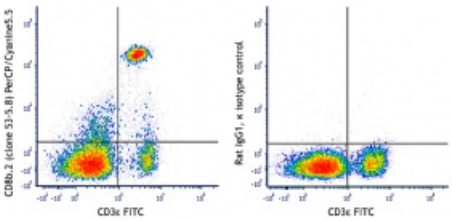
Immunogen: Mouse thymus or spleen

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

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

Concentration: 0.2 mg/ml



C57BL/6 mouse splenocytes stained with CD3ε FITC and CD8b.2 (clone 53-5.8) PerCP/Cyanine5.5 (left) or Rat IgG1, κ PerCP/Cyanine5.5 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.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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

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.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com