

**PE anti-mouse H-2K b/H-2D b**

**Catalog # / Size:** 1173040 / 200 µg  
1173035 / 50 µg

**Clone:** 28-8-6

**Isotype:** Mouse IgG2a, κ

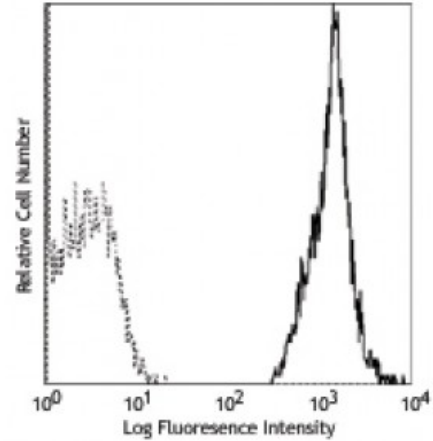
**Immunogen:** C3H.SW mouse splenocytes

**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 28-8-6 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: complement-mediated cytotoxicity<sup>1</sup>, and immunohistochemical staining<sup>2</sup> of acetone-fixed frozen sections.

**Application References:**

1. Ozato K, *et al.* 1981. *J. Immunol.* 126:317. (Cyt)
2. Pappo J, *et al.* 1999. *Infect. Immun.* 67:337. (IHC)
3. Bui JD, *et al.* 2006. *J. Immunol.* 176:905. (FC) [PubMed](#).
4. Shao H, *et al.* 2005. *J. Immunol.* 175:1851. (FC)
5. Coulouarn, C., *et al.* 2011. *Carcinogenesis.* 32:1434. [PubMed](#).

**Description:** The 28-8-6 antibody reacts with the H-2Kb and H-2Db MHC class I alloantigens expressed on nucleated cells from mice of the H-2Kb/H-2Db haplotype. H-2Kb/H-2Db is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The 28-8-6 antibody cross-reacts with H-2Dd MHC class I alloantigen, but does not react with alloantigens of f, k, p, q, r, s haplotypes.

**Antigen References:**

1. Ozato K, *et al.* 1981. *J. Immunol.* 126:317.
2. Allen H, *et al.* 1986. *P. Natl. Acad. Sci. USA* 83:7447.
3. Evans GA, *et al.* 1992. *Nature* 300:755.