

**APC/Fire™ 750 anti-mouse H-2Kb/H-2Db**

**Catalog # / Size:** 1173090 / 100 µg  
 1173085 / 25 µg

**Clone:** 28-8-6

**Isotype:** Mouse IgG2a, κ

**Immunogen:** C3H.SW mouse splenocytes

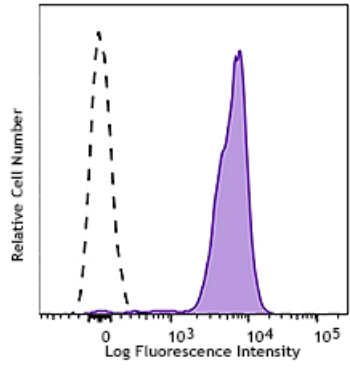
**Reactivity:** Mouse, Other

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

**Workshop Number:** 750 under optimal conditions.

**Concentration:** 0.2 mg/ml

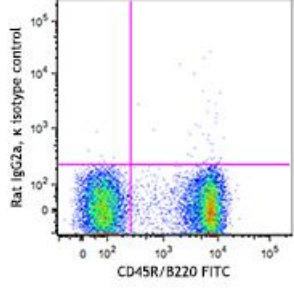


C57BL/6 mouse splenocytes were stained with H-2K<sup>b</sup>/H-2D<sup>b</sup> (clone 28-8-6) APC/Fire™ 750 (filled histogram) or Mouse IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

**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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.



\* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

**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)

**Description:** The 28-8-6 antibody reacts with the H-2K<sup>b</sup> and H-2D<sup>b</sup> MHC class I alloantigens expressed on nucleated cells from mice of the H-2K<sup>b</sup>/H-2D<sup>b</sup> haplotype. H-2K<sup>b</sup>/H-2D<sup>b</sup> is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The 28-8-6 antibody cross-reacts with H-2D<sup>d</sup> 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.