

**PE/Cy7 anti-mouse H-2Kd**

**Catalog # / Size:** 1183105 / 25 µg  
1183110 / 100 µg

**Clone:** SF1-1.1

**Isotype:** Mouse IgG2a, κ

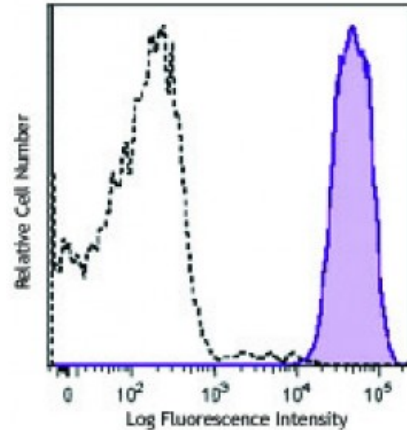
**Immunogen:** BALB/c Mouse cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

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

**Concentration:** 0.2



BALB/c splenocytes were stained with H-2Kd (clone SF1-1.1) PE/Cy7 (filled histogram) or mouse IgG2a, κ PE/Cy7 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 ≤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:** The SF1-1.1 antibody is weakly cross-reactive with H-2k but does not cross-react with other haplotypes (b, j, p, q, s, v). Clone SF1-1.1 recognizes the α3 domain of Kd.

Additional reported applications (for the relevant formats) include: immunoprecipitation<sup>1,4</sup> and Western blotting<sup>2</sup>.

**Application References:**

1. Noun G, *et al.* 1996. *J. Immunol.* 157:2455. (IP)
2. Abasto JP, *et al.* 1993. *J. Immunol.* 151:3569. (WB)
3. Bashuda H, *et al.* 1997. *Transplantation* 63:113.
4. Sester M, *et al.* 2000. *J. Biol. Chem.* 34:113. (IP)
5. Ma XT, *et al.* 2006. *Cancer Res.* 66:1169. (FC)
6. Norian LA and Allen PM. 2004. *J. Immunol.* 173:835. (FC)
7. Norian L, *et al.* 2004. *J. Immunol.* 173:835. [PubMed](#)
8. Delon J, *et al.* 1998. *Immunity* 9:467.

**Description:** The SF1-1.1 antibody reacts with the H-2Kd MHC class I alloantigens expressed on nucleated cells from mice of the H-2Kd haplotype. H-2Kd is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins.

**Antigen References:**

1. Watts C. 1997. *Annu. Rev. Immunol.* 15:821.
2. Pamer E, *et al.* 1998. *Annu. Rev. Immunol.* 16:323.
3. York I, *et al.* 1996. *Annu. Rev. Immunol.* 14:369.