

**H-2Kd/H-2Dd**

**Catalog # / Size:** 1173575 / 25 µg  
1173580 / 100 µg

**Clone:** 34-1-2S

**Isotype:** Mouse IgG2a, κ

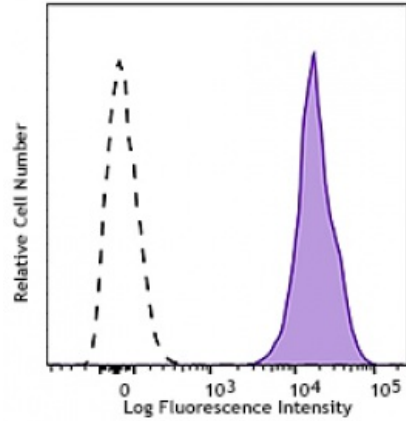
**Immunogen:** BDF Splenocytes

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cy5.5 under optimal conditions. The solution is free of unconjugated PE/Cy5.5 and unconjugated antibody.

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

**Concentration:** 0.2 mg/ml



C57BL/6 mouse splenocytes were stained with mouse H-2K<sup>d</sup>/H-2D<sup>d</sup> PerCP/Cy5.5 (filled histogram) or Mouse IgG2a, κ isotype control PerCP/Cy5.5 (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 ≤0.5 µg per million cells in 100 µl 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: immunoprecipitation<sup>2</sup>, complement-mediated cytotoxicity, and immunohistochemistry of acetone-fixed frozen sections.

**Application References:**

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

**Description:** The 34-1-2S antibody reacts with the H-2K<sup>d</sup>/H-2D<sup>d</sup> MHC class I alloantigens expressed on nucleated cells from mice of the H-2K<sup>d</sup>/H-2D<sup>d</sup> haplotype. H-2K<sup>d</sup>/H-2D<sup>d</sup> is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The 34-1-2S antibody cross-reacts with H-2K MHC class I alloantigens of the b, s, r, q, or p haplotypes.

**Antigen References:**

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