

**PE/Dazzle™ 594 anti-mouse H-2D b**

**Catalog # / Size:** 1157605 / 25 µg  
1157610 / 100 µg

**Clone:** KH95

**Isotype:** Mouse IgG2b, κ

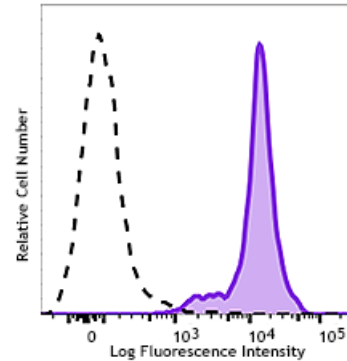
**Immunogen:** C57BL/10 mouse skin graft and splenocytes

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 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 H-2D<sup>b</sup> (clone KH95) PE/Dazzle™ 594 (filled histogram) or Mouse IgG2b, κ PE/Dazzle™ 594 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 ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**Application Notes:** Additional reported applications (for the relevant formats) include: complement-dependent cytotoxicity<sup>1</sup>, and Western blotting.

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

**Description:** The KH95 antibody reacts with the H-2D<sup>b</sup> MHC class I alloantigen expressed on nucleated cells from mice of the H-2D<sup>b</sup> haplotype. H-2D<sup>b</sup> is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. Reactivity with other haplotypes (e.g., a,d,f,k,n,p,q,r,s,u,v) has not been reported.

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