

**PerCP/Cy5.5 anti-mouse H-2D b**

**Catalog # / Size:** 1157585 / 25 µg  
1157590 / 100 µg

**Clone:** KH95

**Isotype:** Mouse IgG2b, κ

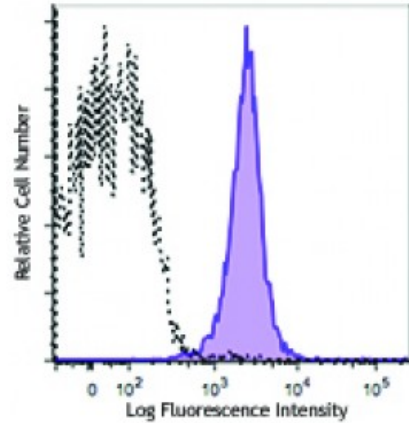
**Immunogen:** C57BL/10 mouse skin graft and splenocytes

**Reactivity:** Mouse

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

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

**Concentration:** Lot-specific



C57BL/6 mouse splenocytes were stained with H-2b (clone KH95) PerCP/Cy5.5 (filled histogram) or mouse IgG2b, κ PerCP/Cy5.5 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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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

- Application References:**
1. Hasenkrug KJ, *et al.* 1987. *Immunogenetics* 25:136.
  2. Shao H, *et al.* 2005. *J. Immunol.* 175:1851.
  3. Ponomarev ED, *et al.* 2006. *J. Immunol.* 176:1402.
  4. Robb RJ, *et al.* 2012. *Blood.* 119:5898. [PubMed](#)
  5. Zhang P, *et al.* 2013. *J. Immunol.* 191:5291. [PubMed](#)
  6. Quinn KM, *et al.* 2013. *J. Immunol.* 191:5085. [PubMed](#)
  7. Markey KA, *et al.* 2014. *J Immunol.* 192:5426. [PubMed](#)
  8. Hogan T, *et al.* 2014. *PLoS Comput Biol.* 10:1003805. [PubMed](#)

**Description:** The KH95 antibody reacts with the H-2Db MHC class I alloantigen expressed on nucleated cells from mice of the H-2Db haplotype. H-2Db 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.