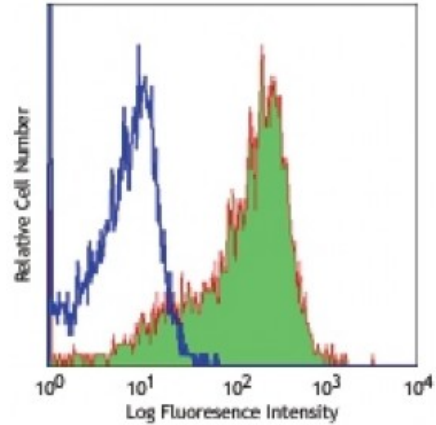


**Alexa Fluor® 647 anti-mouse H-2D b**

**Catalog # / Size:** 1157560 / 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 Alexa Fluor® 647 under optimal conditions.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5



C57BL/6 mouse splenocytes stained with KH95 Alexa Fluor® 647

**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 10<sup>6</sup> cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

**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.