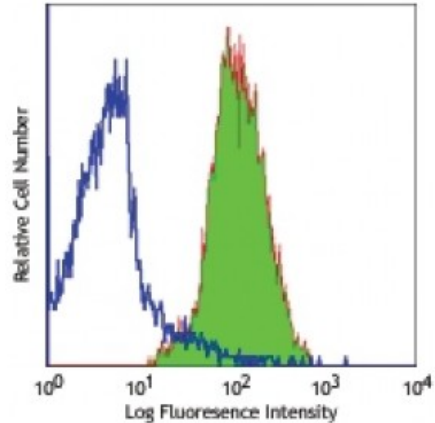


**Purified anti-mouse H-2Kq**

**Catalog # / Size:** 1175505 / 50 µg  
**Clone:** KH114  
**Isotype:** Mouse IgG2a, κ  
**Immunogen:** B10.Q mouse splenocytes  
**Reactivity:** Mouse  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5



FVB mouse splenocytes stained with purified KH114, followed by anti-mouse IgG2a FITC

**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  $\leq 0.25$  microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: complement-mediated cytotoxicity<sup>1</sup>.

**Application References:**

1. Hasendrug K, *et al.* 1987. *Immunogenetics* 25:136.
2. Kafrouni MI, *et al.* 2001. *J. Immunol.* 167:1566.
3. Nanni P, *et al.* 2001. *J. Exp. Med.* 194:1195.

**Description:** The KH114 antibody reacts with the H-2Kq MHC class I alloantigen expressed on nucleated cells from mice of the H-2Kq haplotype. H-2Kq is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The KH114 antibody has not been reported to cross-react with other 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 I, *et al.* 1996. *Ann. Rev. Immunol.* 14:369.
4. Hasendrug K, *et al.* 1987. *Immunogen*