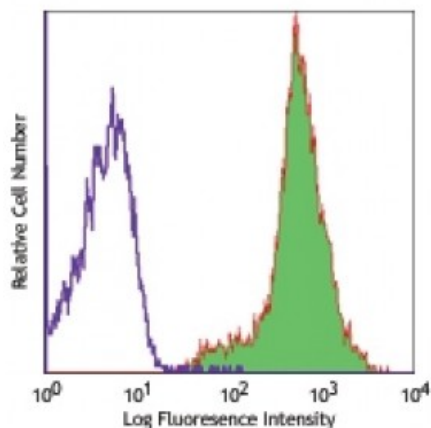


Alexa Fluor® 647 anti-mouse H-2Kq

Catalog # / Size: 1175530 / 100 µg
Clone: KH114
Isotype: Mouse IgG2a, κ
Immunogen: B10.Q mouse 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



FVB mouse splenocytes stained with purified KH114 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 ≤0.25 microg per million 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 633 nm / 635 nm.

Application Notes: Additional reported applications (for the relevant formats) include: complement-mediated cytotoxicity¹

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.
4. Pastor WA, *et al.* 2014. *Nat Commun.* 12:5795. [PubMed](#)

Description: The KH114 antibody reacts with the H-2K^q MHC class I alloantigen expressed on nucleated cells from mice of the H-2K^q haplotype. H-2K^q 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.