

APC/Fire™ 750 anti-mouse H-2Db

Catalog # / Size: 1157595 / 25 µg
1157600 / 100 µg

Clone: KH95

Isotype: Mouse IgG2b, κ

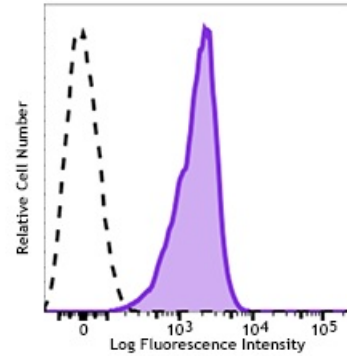
Immunogen: C57BL/10 mouse skin graft and splenocytes

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

Concentration: 0.2 mg/ml

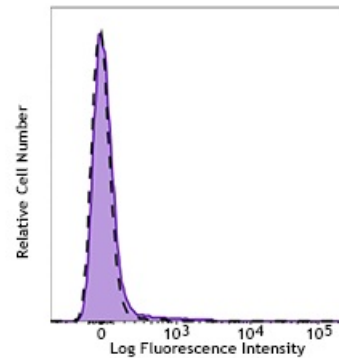


C57BL/6 mouse splenocytes were stained with H-2D^b (clone KH95) APC/Fire™ 750 (filled histogram) or mouse IgG2b, κ APC/Fire™ 750 isotype control (open histogram).

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 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.



BALB/c mouse splenocytes were stained with H-2^b (clone KH95) APC/Fire™ 750 (filled histogram) or mouse IgG2b, κ APC/Fire™ 750 isotype control (open histogram).

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes: Additional reported applications (for the relevant formats) include: complement-dependent cytotoxicity¹, 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-2D^b MHC class I alloantigen expressed on nucleated cells from mice of the H-2D^b haplotype. H-2D^b 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.