SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-mouse H-2Kd

Catalog # / Size: 1183090 / 100 µg
1183085 / 25 µg

Clone: SF1-1.1

Isotype: Mouse IgG2a, κ

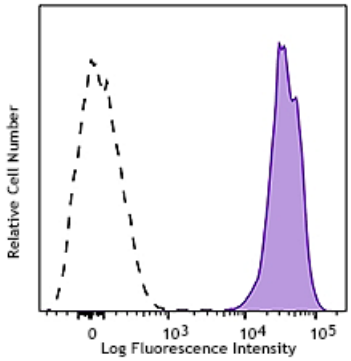
Immunogen: BALB/c Mouse cells

Reactivity: Mouse, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.

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

Concentration: 0.2

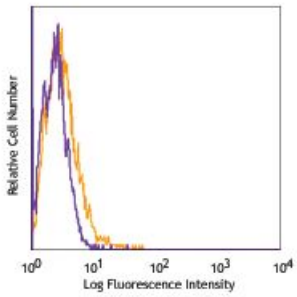


BALB/c mouse splenocytes were stained with H-2K^d (clone SF1-1.1) PerCP/Cyanine5.5 (filled histogram), or mouse IgG2a, κ PerCP/Cyanine5.5 isotype control (open histogram).

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 ≤0.25 µg per million cells in 100 µl 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.



C57BL/6 mouse splenocytes stained with SF1-1.1 Pacific Blue™

Application Notes: The SF1-1.1 antibody is weakly cross-reactive with H-2κ but does not cross-react with other haplotypes (b, j, p, q, s, v). Clone SF1-1.1 recognizes the α3 domain of Kd.

Additional reported applications (for the relevant formats) include: immunoprecipitation[1,4] and Western blotting2.

Application References:

1. Noun G, *et al.* 1996. *J. Immunol.* 157:2455. (IP)
2. Abastado JP, *et al.* 1993. *J. Immunol.* 151:3569. (WB)
3. Bashuda H, *et al.* 1997. *Transplantation* 63:113.
4. Sester M, *et al.* 2000. *J. Biol. Chem.* 34:113. (IP)
5. Ma XT, *et al.* 2006. *Cancer Res.* 66:1169. (FC)
6. Norian LA and Allen PM. 2004. *J. Immunol.* 173:835. (FC)
7. Norian L, *et al.* 2004. *J. Immunol.*. 173:835. PubMed
8. Delon J, *et al.* 1998. *Immunity* 9:467.

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Description: The SF1-1.1 antibody reacts with the H-2K^d MHC class I alloantigens expressed on nucleated cells from mice of the H-2K^d haplotype. H-2K^d is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins.

Antigen References:

1. Watts C. 1997. *Annu. Rev. Immunol.* 15:821.
2. Pamer E, *et al.* 1998. *Annu. Rev. Immunol.* 16:323.
3. York I, *et al.* 1996. *Annu. Rev. Immunol.* 14:369.

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