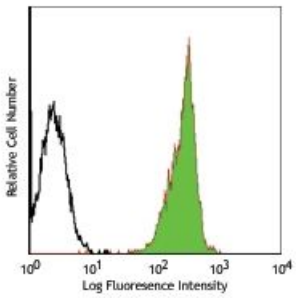
SONY

Product Data Sheet

FITC anti-mouse H-2Kd

Catalog # / Size:	1183025 / 50 µg 1183030 / 500 µg
Clone:	SF1-1.1
Isotype:	Mouse IgG2a, κ
Immunogen:	BALB/c Mouse cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5



Balb/c mouse splenocytes stained with SF1-1.1 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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
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. Abasto 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.

Description: The SF1-1.1 antibody reacts with the H-2Kd MHC class I alloantigens expressed on nucleated cells from mice of the H-2Kd haplotype. H-2Kd 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.