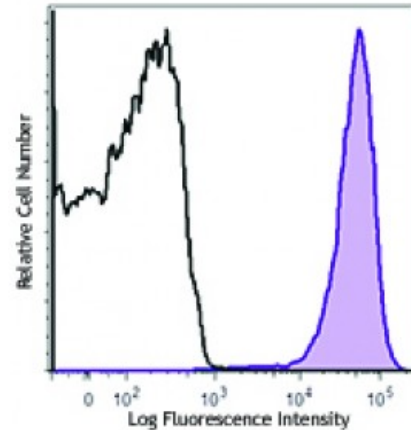


**Brilliant Violet 421™ anti-mouse H-2Kd**

**Catalog # / Size:** 1183115 / 50 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 Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).  
**Concentration:** 0.5



BALB/c mouse splenocytes were stained with H-2Kd (clone SF1-1.1) Brilliant Violet 421™ (filled histogram) or mouse IgG2a, κ Brilliant Violet 421™ 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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

**Application Notes:** The SF1-1.1 antibody is weakly cross-reactive with H-2k 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<sup>1,4</sup> and Western blotting<sup>2</sup>.

**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.