SONY

Product Data Sheet

FITC anti-mouse H-2Kd/H-2Dd

Catalog # / Size: 1173530 / 500 µg

Clone: 34-1-2S

Isotype: Mouse IgG2a, κ

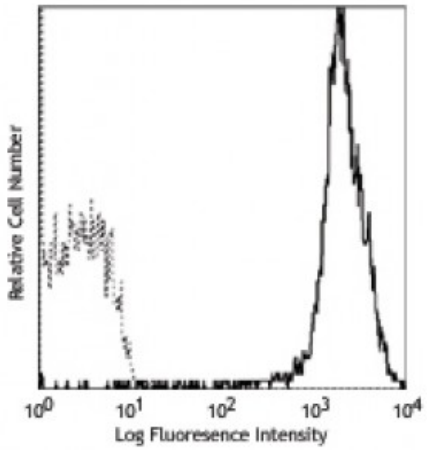
Immunogen: BDF Splenocytes

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



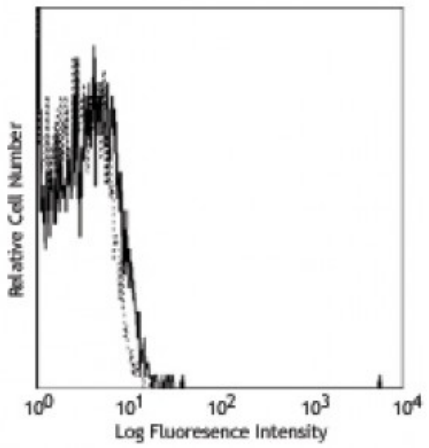
C3H/He mouse splenocytes stained with 34-1-2S PE

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.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation2, complement-mediated cytotoxicity, and immunohistochemistry of acetone-fixed frozen sections.



C57BL/6 mouse splenocytes stained with 34-1-2S PE

Application References:

1. Ozato K, *et al.* 1982. *Transplantation* 34:113.
2. Sester M, *et al.* 2000. *J. Biol. Chem.* 34:113.
3. Huang J, *et al.* 2013. *J. Immunol Methods.* 387:254. PubMed

Description: The 34-1-2S antibody reacts with the H-2Kd/H-2Dd MHC class I alloantigens expressed on nucleated cells from mice of the H-2Kd/H-2Dd haplotype. H-2Kd/H-2Dd is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The 34-1-2S antibody cross-reacts with H-2K MHC class I alloantigens of the b, s, r, q, or p 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 IA, *et al.* 1996. *Ann. Rev. Immunol.* 14:369.

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