SONY

Product Data Sheet

PE/Cyanine7 anti-mouse H-2Kd/H-2Dd

Catalog # / Size: 1173590 / 100 µg
1173585 / 25 µg

Clone: 34-1-2S

Isotype: Mouse IgG2a, κ

Immunogen: BDF Splenocytes

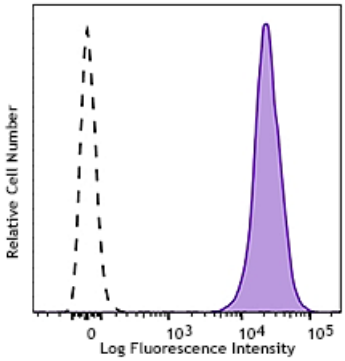
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

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

Workshop Number: V B-CD73.3

Concentration: 0.2



C57BL/6 mouse splenocytes were stained with mouse H-2K^d/H-2D^d (clone 34-1-2S) PE/Cy7 (filled histogram) or Mouse IgG2a, κ isotype control PE/Cy7 (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.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation[2], complement-mediated cytotoxicity, and immunohistochemistry of acetone-fixed frozen sections.

Application References:

1. Ozato K, *et al.* 1982. *Transplantation* 34:113.
2. Sester M, *et al.* 2000. *J. Biol. Chem.* 34:113.

Description: The 34-1-2S antibody reacts with the H-2K^d/H-2D^d MHC class I alloantigens expressed on nucleated cells from mice of the H-2K^d/H-2D^d haplotype. H-2K^d/H-2D^d 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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