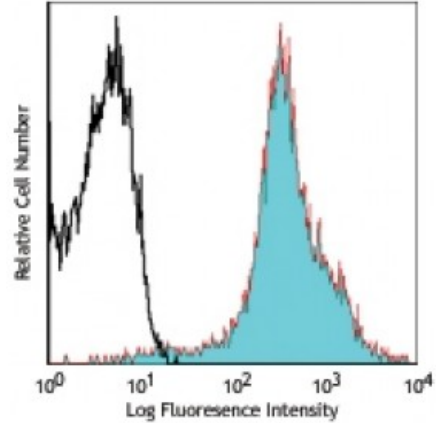


Alexa Fluor® 647 anti-mouse H-2Kd/H-2Dd

Catalog # / Size: 1173560 / 100 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 Alexa Fluor® 647 under optimal conditions.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



C57BL/6 mouse splenocytes stained with 34-1-2S Alexa Fluor® 647

Applications:

Applications: Immunofluorescence
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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation², 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.
 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.