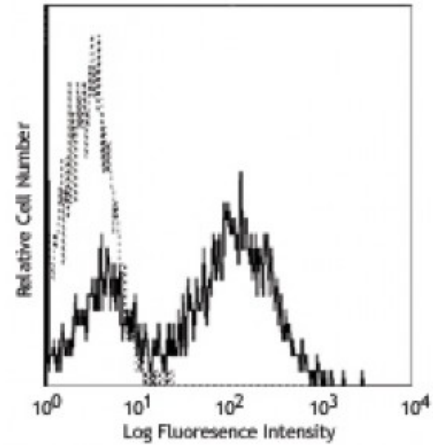


Biotin anti-mouse I-Ad

Catalog # / Size: 1175015 / 50 µg
Clone: 39-10-8
Isotype: Mouse IgG3, κ
Immunogen: (C3H x BALB/c)F₁ mouse cells
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



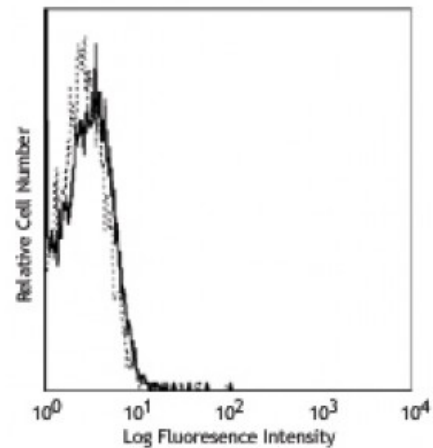
BALB/c mouse splenocytes stained with 39-10-8 FITC

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 ≤ 0.25 microg per 10⁶ 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: immunofluorescence microscopy², and immunohistochemical staining of acetone-fixed frozen sections.

- Application References:**
- Hiramine C, *et al.* 1995. *Cell. Immunol.* 160:157.
 - Wang Z, *et al.* 2004. *J. Immunol.* 172:5924.
 - Ma XT, *et al.* 2006. *Cancer Research* 66:1169.
 - Norian LA and Allen PM. 2004. *J. Immunol.* 173:835. [PubMed](#)
 - Tian C, *et al.* 2007. *J. Immunol.* 179:6762.



C57BL/6 mouse splenocytes stained with 39-10-8 FITC

Description: The 39-10-8 antibody reacts with the I-Ad MHC class II alloantigen. These class II molecules are expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2d bearing mice and are involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins. The 39-10-8 antibody does not cross-react with other haplotypes (a, b, k, p, q, s), but has been demonstrated to cross-react with the g7 haplotype.

- Antigen References:**
- Watts C. 1997. *Ann. Rev. Immunol.* 15:821.
 - Pamer E, *et al.* 1998. *Ann. Rev. Immunol.* 16:323.
 - Wall KA, *et al.* 1983. *J. Immunol.* 131:1056.
 - Ridgway WM, *et al.* 1998. *J. E*