SONY

Product Data Sheet

FITC anti-mouse I-Ad

Catalog # / Size: 1175025 / 50 µg
1175030 / 500 µg

Clone: 39-10-8

Isotype: Mouse IgG3, κ

Immunogen: (C3H x BALB/c)F_1 mouse cells

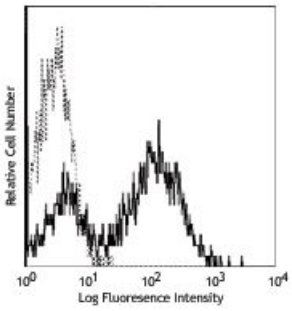
Reactivity: Mouse, Other

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions.

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

Workshop Number: V NK80

Concentration: 0.5



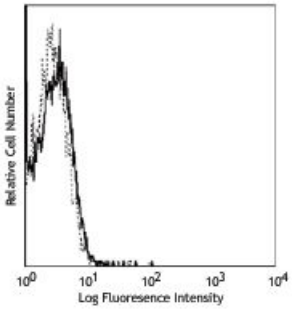
BALB/c mouse splenocytes stained with 39-10-8 FITC

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 ≤1.0 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: immunofluorescence microscopy2, and immunohistochemical staining of acetone-fixed frozen sections.



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

Application References:

1. Hiramine C, *et al.* 1995. *Cell. Immunol.* 160:157.
2. Wang Z, *et al.* 2004. *J. Immunol.* 172:5924.
3. Ma XT, *et al.* 2006. *Cancer Research* 66:1169.
4. Norian LA and Allen PM. 2004. *J. Immunol.* 173:835. PubMed
5. Tian C, *et al.* 2007. *J. Immunol.* 179:6762.
6. Ohashi K, *et al.* 2014. *Mol Biol Cell.* 25:828. PubMed

Description: The 39-10-8 antibody reacts with the I-A^d 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-2^d 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.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com

Antigen References:

1. Watts C. 1997. *Ann. Rev. Immunol.* 15:821.
2. Pamer E, *et al.* 1998. *Ann. Rev. Immunol.* 16:323.
3. Wall KA, *et al.* 1983. *J. Immunol.* 131:1056.
4. Ridgway WM, *et al.* 1998. *J. Exp. Med.* 188:2267.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.