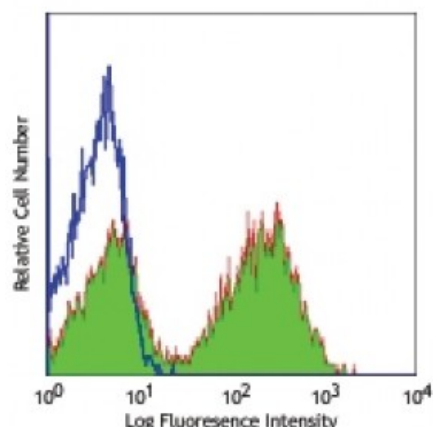


**Alexa Fluor® 488 anti-mouse I-Ad**

**Catalog # / Size:** 1175040 / 100 µg  
**Clone:** 39-10-8  
**Isotype:** Mouse IgG3, κ  
**Immunogen:** (C3H x BALB/c)F<sub>1</sub> mouse cells  
**Reactivity:** Mouse  
**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5



Balb/c mouse splenocytes stained with 39-10-8 Alexa Fluor® 488

**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 ≤2.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunofluorescence microscopy<sup>2</sup>, and immunohistochemical staining of acetone-fixed frozen sections.

**Application References:**

1. Hiramane 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.
5. Tian C, *et al.* 2007. *J. Immunol.* 179:6762.

**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:**

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. E*