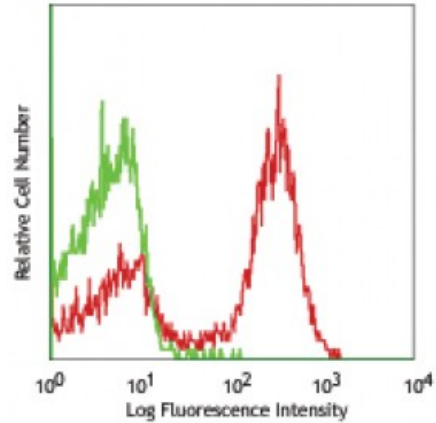


**Purified anti-mouse I-A $\kappa$  (A $\beta$  $\kappa$ )**

**Catalog # / Size:** 1149510 / 500  $\mu$ g  
**Clone:** 10-3.6  
**Isotype:** Mouse IgG2a,  $\kappa$   
**Immunogen:** C3H mouse splenocytes  
**Reactivity:** Mouse  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5



C3H mouse splenocytes stained with 10-3.6 purified, followed by anti-mouse IgG2a FITC

**Applications:**

**Applications:** Other

**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  $\leq 0.25$  microg per million 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 immunoprecipitation<sup>1,2</sup>, protection against autoimmune IDDM3, *in vitro* blocking of antigen-specific MHC-restricted responses and *in vivo* inhibition of lymphoma growth<sup>4</sup>, and immunohistochemical staining<sup>5</sup> of acetone-fixed frozen sections.

**Application References:**

1. Landais D, *et al.* 1986. *J. Immunol.* 137:3002. (IP)
2. Kupinski JM, *et al.* 1983. *J. Immunol.* 130:2277. (IP)
3. Kappler JW, *et al.* 1981. *J. Exp. Med.* 153:1198.
4. Alisaukas RM, *et al.* 1986. *Immunopharmacology* 12:1.
5. Reis e Sousa and Germain 1999. *J. Immunol.* 162:6652. (IHC)
6. Yui MA, *et al.* 2010. *J. Immunol.* 185:284. [PubMed](#)
7. Gaudreau S, *et al.* 2007. *J. Immunol.* 179:3638. (FC)

**Description:** The 10-3.6 antibody reacts with the  $\beta$  chain of the I-A $\kappa$  MHC class II alloantigen. This class II molecule is expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2 $\kappa$  bearing mice and involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins. The 10-3.6 antibody cross-reacts with I-A<sup>f,r,s</sup> antigens and I-A<sup>g7</sup> of NOD mice; it does not react with other haplotypes (*e.g.*, b, d, p, q).

**Antigen References:**

1. Watts C. 1997. *Ann. Rev. Immunol.* 15:821.
2. Pamer E, *et al.* 1998. *Ann. Rev. Immunol.* 16:323.