

**Alexa Fluor® 700 anti-mouse H-2Kb**

**Catalog # / Size:** 1182605 / 25 µg  
1182610 / 100 µg

**Clone:** AF6-88.5

**Isotype:** Mouse IgG2a, κ

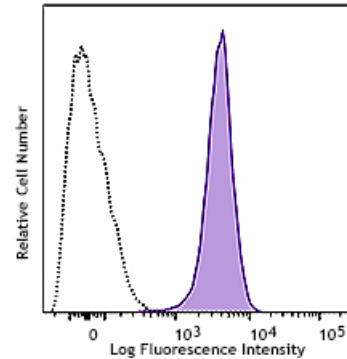
**Immunogen:** C57BL mouse splenocytes

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 700.

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

**Concentration:** 0.5 mg/ml



C57BL/6 mouse splenocytes were stained with H-2K<sup>b</sup> (clone AF6-88.5) Alexa Fluor® 700 (filled histogram) or Mouse IgG2a, κ Alexa Fluor® 700 isotype control (open histogram).

**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 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunoprecipitation<sup>2</sup> and immunohistochemical staining of acetone-fixed frozen sections<sup>3</sup>. Clone AF6-88.5 is not suitable for immunohistochemical staining of formalin-fixed paraffin embedded sections. Does not cross-react with other haplotypes (e.g., d, f, j, k, p, q, r, s, u, v).

**Application References:**  
 1. Watts C. 1997. *Ann. Review Immunol.* 15:821.  
 2. Pamer E, et al. 1998. *Ann. Review Immunol.* 16:323.  
 3. York I, et al. 1996. *Ann. Rev. Immunol.* 14:369.

**Description:** The AF6-88.5 antibody reacts with H-2K<sup>b</sup> MHC class I alloantigen expressed on nucleated cells from mice of the H-2K<sup>b</sup> haplotype. H-2K<sup>b</sup> is involved in antigen presentation to T cells expressing CD3/TCR and CD8 proteins. The AF6-88.5 antibody does not cross-react with other haplotypes (d, f, j, k, p, q, r, s, u, v).

**Antigen References:**  
 1. Watts C. 1997. *Ann. Review Immunol.* 15:821.  
 2. Pamer E, et al. 1998. *Ann. Review Immunol.* 16:323.  
 3. York I, et al. 1996. *Ann. Rev. Immunol.* 14:369.