

Alexa Fluor® 647 anti-mouse H-2Kb

Catalog # / Size: 1182560 / 100 µg
1182555 / 25 µg

Clone: AF6-88.5

Isotype: Mouse IgG2a, κ

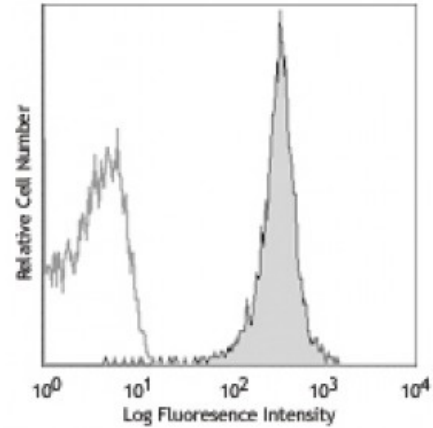
Immunogen: C57BL mouse splenocytes

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

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

Concentration: 0.5



C57BL/6 mouse splenocytes stained with AF6-88.5 Alexa Fluor® 647

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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation² and immunohistochemical staining of acetone-fixed frozen sections³. Clone AF6-88.5 is not suitable for immunohistochemical staining of formalin-fixed paraffin embedded sections.

- Application References:**
1. Loken MR, *et al.* 1982. *J. Immunol. Methods* 50:R85.
 2. Wall KA, *et al.* 1983. *J. Immunol.* 131:1056.
 3. Andersson M, *et al.* 1998. *J. Immunol.* 161:6475.
 4. Shao H, *et al.* 2005. *J. Immunol.* 175:1851.
 5. Hui S, *et al.* 2005. *J. Immunol.* 175:1851. [PubMed](#)
 6. Zhou K, *et al.* 2010. *Cytotherapy.* 12:735. [PubMed](#)
 7. Desvignes L, *et al.* 2012. *J Immunol.* 188:6205. [PubMed](#)
 8. Martin-Granados C, 2015. *J Mol Cell Biol.* [PubMed](#)

Description: The AF6-88.5 antibody reacts with H-2Kb MHC class I alloantigen expressed on nucleated cells from mice of the H-2Kb haplotype. H-2Kb 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.