SONY

# Product Data Sheet

## Alexa Fluor® 647 anti-mouse H-2Kb

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

**Clone:** AF6-88.5

**Isotype:** Mouse IgG2a, κ

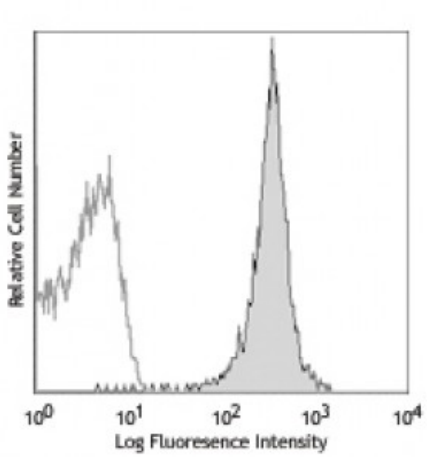
**Immunogen:** C57BL mouse splenocytes

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 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.

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