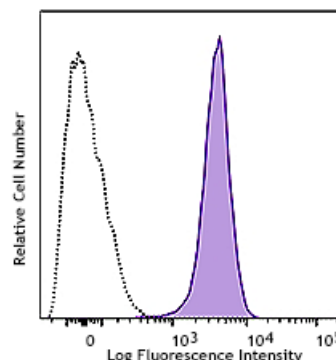


Alexa Fluor® 700 anti-mouse H-2Kb

Catalog # /	1182605 / 25 µg
Size:	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.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	HCDM listed
Concentration:	0.5



C57BL/6 mouse splenocytes were stained with H-2K^b (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: 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. Does not cross-react with other haplotypes (e.g., d, f, j, k, p, q, r, s, u, v).

- 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](#)

Description: The AF6-88.5 antibody reacts with H-2K^b MHC class I alloantigen expressed on nucleated cells from mice of the H-2K^b haplotype. H-2K^b 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** 1. Watts C. 1997. *Ann. Review Immunol.* 15:821.
- References:** 2. Pamer E, et al. 1998. *Ann. Review Immunol.* 16:323.
3. York I, et al. 1996. *Ann. Rev. Immunol.* 14:369.