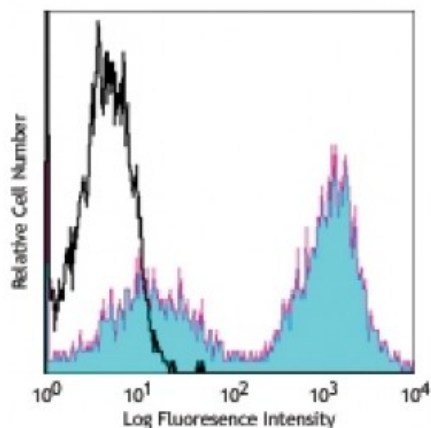


Alexa Fluor® 647 anti-mouse I-A/I-E

Catalog # / Size:	1138090 / 100 µg 1138085 / 25 µg
Clone:	M5/114.15.2
Isotype:	Rat IgG2b, κ
Immunogen:	Activated C57BL/6 mouse spleen cells
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 were stained with anti-mouse I-A/I-E (clone M5/114.15.2) Alexa Fluor® 647 (filled histogram) or rat IgG2b, κ Alexa Fluor® 647 isotype control (open histogram).

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 ≤0.25 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: The M5/114.15.2 antibody reacts with a polymorphic determinant shared by the I-Ab, I-Ad, I-A^q, I-Ed, and I-Ek MHC class II alloantigens from mice carrying H-2^{p,r,q,b,d,u} haplotypes. Clone M5/114.15.2 however does not react with I-A^f, I-Ak, or I-A^s MHC class II alloantigens.¹

Additional reported applications (for the relevant formats) include: immunoprecipitation¹, immunohistochemistry of frozen sections^{2,3,6}, and *in vitro* and *in vivo* blocking of antigen presentation or ligand binding⁴⁻⁷. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 107610).

- Application References:**
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Description: These class II molecules are expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2^{b,d,q,r} bearing mice and are involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins.

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