SONY

Product Data Sheet

Pacific Blue™ anti-mouse I-Ab

Catalog # / Size: 1182105 / 25 µg
1182110 / 100 µg

Clone: AF6-120.1

Isotype: Mouse IgG2a, κ

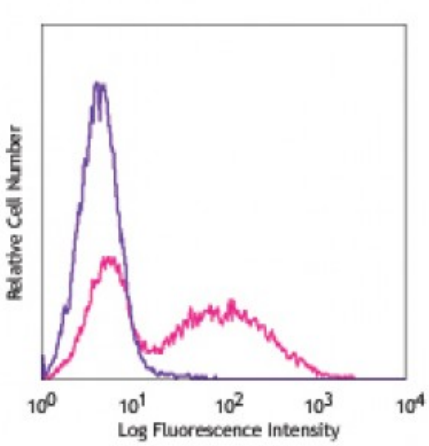
Immunogen: C57BL/10J splenocytes

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with Pacific Blue™ under optimal conditions. The solution is free of unconjugated Pacific Blue™.

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

Concentration: 0.5



C57BL/6 splenocytes stained with AF6-120.1 Pacific Blue™

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

* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

Application Notes: Additional reported applications (for relevant formats of this clone) include: immunohistochemical staining of frozen sections (acetone-fixed5; OCT-embedded, ethanol-fixed sections[7]), immunofluorescence microscopy3 (including acetone-fixed epidermal sheets[6]), immunoprecipitation[7,8]. Directly conjugated antibody was used for IF in (3) and (6) and for IHC in (5).

Application References:

1. Wall KA, *et al.* 1983. *J. Immunol.* 131:1056. (FC)
2. Cohn LE, *et al.* 1986. *P. Natl. Acad. Sci. USA* 83:747. (FC)
3. Inaba K, *et al.* 1998. *J. Exp. Med.* 188:2163 (IF)
4. Hamrah P, *et al.* 2002. *Invest Opthalmol Vis. Sci.* 43:639 (IF)
5. Buono C, *et al.* 2003. *Arterioscler. Thromb. Vasc. Biol.* 23:454. (IHC)
6. Wang Z, *et al.* 2004. *J. Immunol.* 172:5924. (IHC IF)
7. Nakagawa TY, *et al.* 1999. *Immunity* 10:207. (IP)
8. Podolin PL, *et al.* 2008. *J. Immunol.* 180:7989. (FC IP) PubMed
9. Tay SS, *et al.* 2014. *J Immunol.* 193:2087. PubMed

Description: The AF6-120.1 antibody reacts with the I-Ab MHC class II alloantigen. These class II molecules are expressed on antigen presenting cells (including B cells) and a subset of T cells from H-2b bearing mice, and are involved in antigen presentation to T cells expressing CD3/TCR and CD4 proteins. The AF6-120.1 antibody cross-reacts with H-2κ and H-2^u haplotypes; this antibody does not cross-react with other haplotypes (d, f, q, r, s).

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