

**violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody**  
**Catalog # ATB10366****Specification****violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody - Product Information**

|               |  |
|---------------|--|
| Application   | FC   |
| Isotype       | Rat IgG2b, kappa   |
| Concentration | 0.2 mg/mL  |
| Reactivity    | Mouse  |
| Formulation   | 10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% NaN <sub>3</sub> , 0.1% gelatin, pH7.2 |

**violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody - Additional Information**

|                              |        |
|------------------------------|--------|
| Gene ID                      | 14961  |
| Gene Name                    | H2-Ab1 |
| Alternative Name(s)          |        |
| MHC II, IA, IE, I-A/E, IA/IE |        |

**Format**

violetFluor™ 450

**Preparation**

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

**Application Notes**

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

**Storage Conditions**

2-8°C protected from light

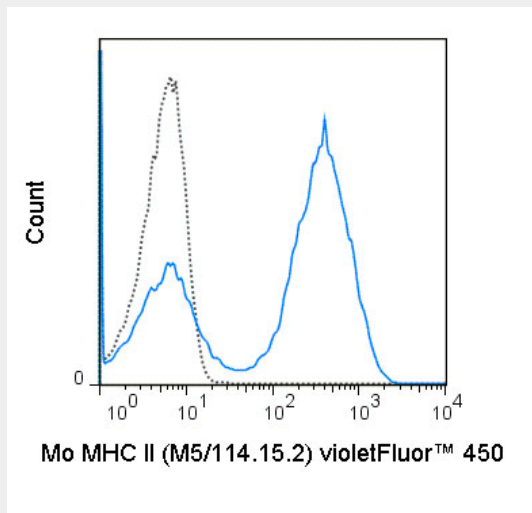
**violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

#### **violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody - Images**



C57Bl/6 splenocytes were stained with 0.25 ug violetFluor™ 450 Anti-Mouse MHC Class II (ATB10366) (solid line) or 0.25 ug violetFluor™ 450 Rat IgG2b isotype control (dashed line).

#### **violetFluor™ 450 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) Antibody - Background**

The M5/114.15.2 antibody reacts with mouse MHC Class II alloantigens I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek, as well as being cross-reactive with mouse cells of H-2p and H-2r haplotype. MHC Class II is widely expressed by mouse immune cells bearing these alloantigens, including T and B cells, monocytes, macrophages, and dendritic cells. The antibody does not react with the following alloantigens: I-Af, I-Ak, I-As, or NOD H-2g7. The M5/114.15.2 antibody may be used for analysis of mouse cells expressing MHC Class II alloantigens as described. Please note that the M5/114.15.2 clone may also be referred to as M5/114 in the literature.