

***InVivoPro* Anti-Mouse MHC Class II (I-A/I-E) *in vivo* antibody, Clone M5/114.15.2**

Cat #: IV0150

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Product Information

Isotype:	Rat IgG2b
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>In vivo</i> MHC II blockade
Recommended Isotype Control:	IV0106 or Rat IgG2b Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μ M filtered
Purification:	Protein A or G
Recommended Dose Range:	Each investigator should determine their own optimal working dilution for specific applications.
Storage:	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

Background

MHC class II is constitutively expressed on professional antigen-presenting cells (APCs), including macrophages/monocytes, dendritic cells (DCs), and B cells, and is induced on T cells upon activation. MHC class II consists of two transmembrane proteins, a 35 kDa α (heavy) chain and 29 kDa β (light) chain. The N-terminal $\alpha 1$ and $\beta 1$ domains form the antigen-binding groove, which binds 13-25aa peptides derived from exogenous antigens. MHC class II antibody, clone M5/114.15.2, recognizes the major histocompatibility complex (MHC) class II molecules I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek. Clone M5/114.15.2 does not react with I-Af, I-Ak, or I-As.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.