

InVivoPro Anti-Mouse MHC Class I (H-2) *in vivo* antibody, Clone M1/42.3.9.8

Cat #: IV0149

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

Product Information

Isotype:	Rat IgG2a κ
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>ex vivo</i> blocking of MHC I-dependent interactions
Recommended Isotype Control:	IV0105 or Rat IgG2a 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 I antigens are heterodimers consisting of one alpha chain (44 kDa) associated with β 2 microglobulin (11.5 kDa). The antigen is expressed by all nucleated cells at varying levels. MHC Class I molecules present endogenously synthesized antigenic peptides to CD8 T cells. Clone M1/42.3.9.8 recognizes a conserved epitope on the 44-46 kDa heavy chain of H-2 antigens in association with beta2-microglobulin that is expressed across the majority of mouse haplotypes.

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