

***InVivoPro* Anti-Mouse PD-1(CD279) *in vivo* antibody, Clone RMP1-14**

Cat #: IV0100

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>In vivo</i> blocking of PD-1/PD-L1 signaling
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:	200-500 μ g per mouse; or 10 mg/kg. This range is based off the most recent publication data using the RMP1-14 clone <i>in vivo</i> . 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

CD279, also known as programmed death-1 (PD-1) is a 50-55 kD immunoglobulin superfamily member. PD-1 is expressed on a subset of CD4-CD8- thymocytes, and on activated T and B cells. The PD-1 ligands, PD-L1 (also known as B7-H1) and PD-L2 (B7-DC), are members of the B7 immunoglobulin superfamily. This RMP1-14 antibody has been reported to block the binding of PD-1 to its ligands (B7-H1 and B7-DC) and to inhibit T cell proliferation and cytokine production.

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