

InVivoPro Anti-Mouse PD-1(CD279) *in vivo* antibody, Clone 29F.1A12

Cat #: IV0107

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

Product Information

Isotype:	Rat IgG2a
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-L signaling, Flow cytometry, Immunohistochemistry(Frozen), Western blot
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 29F.1A12 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

Programmed death-1 (PD-1), also known as CD279 is a 50-55 kD glycoprotein belonging to the CD28 family of the Ig superfamily. PD-1 is transiently expressed on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid cells. Like the clones RMP1-14 and J43 antibodies, the 29F.1A12 antibody has been shown to block the binding of PD-1 to its ligands *in vivo*.

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