

Anti-PD-1 [RMP1-14] VivopureX 50 mg Ab00813-2.3-VXF

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: RMP1-14

Alternative Name(s) of Target: CD279; PD1; PDCD1; RMPI-14; RMP1/14; Programmed Death Receptor 1; Programmed Death 1

UniProt Accession Number of Target Protein:

Published Application(s): Block, FC, IHC-Fr

Published Species Reactivity: Mouse

Immunogen: The original rat hybridoma was generated by immunizing Sprague Dawley rats with mouse PD-1-transfected BHK cells. A P3U1 myeloma was used as the fusion partner.

Specificity: This antibody binds to murine PD-1.

Application Notes: Binding of the original rat IgG2a antibody to PD1 has been reported to prevent binding of both B7-H1-Ig (PD-L1-Ig) and B7-DC-Ig (PD-L2-Ig) fusion proteins to PD1.

Antibody First Published in: Yamazaki et al. Blockade of B7-H1 on macrophages suppresses CD4+ T cell proliferation by augmenting IFN-gamma-induced nitric oxide production. J Immunol. 2005 Aug 1;175(3):1586-92 [PMID:16034097](#)

Note on publication: Describes the generation and initial characterisation of the RMP1-14 hybridoma

Product Form

Size: 50 mg VivopureX products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. These antibodies are chimerized to have an Fc domain matching their target species to reduce immunogenicity and give you the optimal effector function for your experiment. As a result VivopureX products are the ideal choice for in vivo research applications.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: All VivopureX products are formulated in PBS only without addition of

preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.

Concentration: $\geq 1\text{mg}$ (see vial label for exact conc)

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.