

Anti-mouse PD-1 Monoclonal Antibody (Clone RMP1-14.1) | PA007162.m1

Catalog No.: **PA007162.m1** | Isotype: **Mouse IgG1, Kappa** | **In Vivo Grade**

PRODUCT OVERVIEW & BACKGROUND

In Vivo Grade Recombinant Anti-mouse PD-1 Mouse IgG1 Kappa Monoclonal Antibody (Clone RMP1-14.1). Recombinant mouse anti-mouse PD 1 / CD279 monoclonal antibodies, whose variable region sequences are murined from the rat anti-mouse PD-1 monoclonal antibody (clone number: RMP1-14), are produced from mammalian cells. The recombinant rat and chimeric mouse versions of the RMP1-14 antibody are also available.

The rat anti-mouse PD-1 monoclonal antibody RMP1-14 (rat IgG2a kappa) reacts with the mouse PD-1 protein (CD279 or programmed death-1) encoded by the mouse *pdc1* gene, a member of the CD28 family of the Ig superfamily. PD-1 has two ligands, PD-L1 and PD-L2, both of which belong to the B7 family. It has been shown that in mouse models of melanoma, tumor growth can be transiently arrested via treatment with the anti-mouse PD 1 antibody and the anti-mouse PD L1 antibody which block the interaction between the PD-L1 protein and its receptor PD-1 protein. The RMP1-14 antibody blocks the binding of both the mouse PD-L1 protein and the mouse PD-L2 protein to the mouse PD-1 protein. Our recombinant RMP1-14 antibodies have a part (variable regions) or complete amino acid sequences of the rat anti-mouse PD-1 antibody (hybridoma clone name or number: RMP1-14).

PRODUCT SPECIFICATIONS

Catalog No.	PA007162.m1
Product Name	In Vivo Grade Recombinant Anti-mouse PD-1 Monoclonal Antibody (Clone RMP1-14.1), Mouse IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Mouse Anti-Mouse PD 1 Monoclonal Antibodies, Murinized Anti-Mouse PD 1 Monoclonal Antibodies
Summary	The In Vivo Grade Recombinant Anti-mouse PD-1 Mouse IgG1 Kappa Monoclonal Antibody (Clone RMP1-14.1) was produced in mammalian cells.
Clone	RMP1-14.1, the same variable region sequences as the rat anti-mouse PD-1 monoclonal antibody (clone number: RMP1-14)
Isotype	mouse IgG1, kappa
Applications	immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Immunogen	The original rat hybridoma (clone name: RMP1-14) was generated by immunizing rats with mouse PD-1-transfected BHK cells.
Form Of Antibody	0.2 µM filtered solution of 1x PBS.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	The In Vivo Grade Recombinant Anti-mouse PD-1 Mouse IgG1 Kappa Monoclonal Antibody (Clone RMP1-14.1) are shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 1 month from date of