

# In Vivo Grade Recombinant Anti-mouse PD-1 Rat IgG2a Kappa Monoclonal Antibody (Clone RMP1-14.1)

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Catalog No.: YR0292

## Basic Information

### Molecular Weight

150 kDa

### Endotoxin

<1EU/mg (<0.001EU/μg) Determined by LAL gel clotting assay

### Sterility

0.2 μm filtration

### Aggregation

<5% Determined by SECP

### Purity

>95% Determined by SDS-PAGE

## Background

The rat anti-mouse PD-1 monoclonal antibody (clone No. 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.

## Reported Applications

immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.

## Immunogen Information

### Clone

RMP1-14.1

### Isotype

Rat IgG2a kappa

### Immunogen

mouse PD-1-transfected BHK cells

### Recommended Isotype Control(s)

WD24002-203 In Vivo Grade Recombinant Rat IgG2a Kappa Isotype Control Antibody

### Recommended Dilution Buffer

1×PBS

## Contact

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## Product Information

### Production

Purified from cell culture supernatant in an animal-free facility

### Purification

Protein A or G purification

### Storage

Store at 2 - 8°C. 2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)