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

Catalog No.: YR0292 **1 Publications**

Basic Information

Molecular Weight
150kDa

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 pdcd1 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

RecommendedIsotype Control(s)
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/G

Storage
Store at -20℃