

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

Catalog No.: PA007162.r2a

Background

The rat anti-mouse PD-1 monoclonal antibody RMP1-14 (rat IgG2a kappa) reacts with the mouse PD-1 protein (programmed death-1 or CD279) 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 and anti-mouse PD-L1 antibodies which block the interaction between the PD-L1 protein and its receptor PD-1 protein. The RMP1-14 monoclonal antibody blocks the binding of both the mouse PD-L1 protein and the mouse PD-L2 protein to the mouse PD-1 protein.

This recombinant RMP1-14 antibody has the same amino acid sequences as the rat anti-mouse PD-1 monoclonal antibody (hybridoma clone name or number: RMP1-14).

Source: The in vivo grade recombinant anti-mouse PD-1 rat IgG2a kappa monoclonal antibody (clone number: RMP1-14.1) was produced in mammalian cells.

Immunogen: The original rat hybridoma (clone name: RMP1-14) was generated by immunizing rats with mouse PD-1-transfected BHK cells.

Clone: RMP1-14.1, the same amino acid sequences as the rat anti-mouse PD-1 monoclonal antibody (clone number: RMP1-14).

Isotype: rat IgG2a, kappa.

Specificity/Sensitivity: The in vivo grade recombinant anti-mouse PD-1 rat IgG2a kappa monoclonal antibody specifically binds to the mouse PD-1.

Applications: ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse PD-1.

Form of Antibody: 0.2 µM filtered solution of PBS, pH 7.4.

Purity: > 95% by reducing SDS-PAGE.

Endotoxin Level: Less than 1 EU/mg of the protein as determined by the LAL method.

Shipping: The product is shipped at 4°C. 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 receipt if stored at 4°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/anti-mouse-pdl-antibody-pa007162-r2a/>