Recombinant Anti-mouse PD-1 / VEGF-A Bispecific Antibody (Clone RMP1-14.1 / G6-23), Mouse IgG2c LALAPG Kappa

Catalog No.: PA008017.m2cLA

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.

Source: The anti-mouse PD-1 / VEGF-A bispecific antibody (clone: RMP1-14.1 / G6-23) was produced in mammalian cells. It consists of rat / mouse variable regions and mouse IgG2c LALAPG kappa constant regions.
Clone: RMP1-14.1, the same variable region sequences as the rat anti-mouse PD-1 monoclonal antibody (clone number: RMP1-14). G6-23, the same variable region sequences as the mouse anti-mouse VEGF monoclonal antibody (clone number: G6-23).
Isotype: mouse IgG2c, kappa.
Specificity/Sensitivity: The recombinant mouse bispecific antibody (clone: RMP1-14.1 / G6-23) specifically binds to the mouse PD-1 and VEGF-A proteins.
Applications: immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Form of Antibody: 0.2 μM filtered solution, pH 5.5.
Purity: > 95% by reducing and non-reducing SDS-PAGE, and SEC-HPLC.
Endotoxin Level: Less than 1 EU/mg of protein as determined by the LAL method.

Shipping: The product is 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 receipt if stored at 2°C to 8°C as supplied.
12 months from date of receipt if stored at -20°C to -70°C as supplied.

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