

BP-50580

Anti-mouse PD-1 / PD-1 Bispecific Antibody, Mouse IgG2c LALAPG Kappa (Clone RMP1-14.1 / 29F.1A12.1)

The rat anti-mouse PD-1 monoclonal antibodies (clone No. RMP1-14, rat IgG2a kappa, and clone No. 29F.1A12, rat IgG2a kappa) bind to different epitopes of 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. Both RMP1-14 and 29F.1A12 antibodies block the binding of both the mouse PD-L1 protein and the mouse PD-L2 protein to the mouse PD-1 protein. It is under investigation whether either of the recombinant anti-mouse PD-1 / PD-1 bispecific antibodies (RMP1-14 / 29F.1A12 and 29F.1A12 / RMP1-14) is the best anti-mouse PD1 antibody. The in vivo grade recombinant rat anti-mouse PD-1 / PD-1 bispecific antibody (mouse IgG2c-LALAPG kappa) was produced in mammalian cells. Its affinity to the mouse PD-1 protein is <1 nM.

This recombinant anti-mouse PD-1 / PD-1 bispecific antibodies (combination of RMP1-14 and 29F.1A12) 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 and 29F.1A12).

Product Details	
Species Reactivity	Mouse
Source	Mammalian Cells
Isotype	Mouse IgG2c, kappa
Class	Bispecific Antibody
Type	Recombinant Antibody
Clone	RMP1-14 / 29F.1A12
Target	PD-1 / PD-1
Purity	>95%
Molecular Weight	N/A
Formulation	1×PBS, pH7.4
Storage conditions	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 3 months from date of receipt, 2 to 8°C as supplied. 12 months from date of receipt, -20°C to -70°C as supplied.