

Catalog# BP-50584

## **Anti-mouse PD-1 / PD-L1 Bispecific Antibody, Mouse IgG2c LALAPG Kappa (Clone 29F.1A12.1 / 10F.9G2.1)**

The rat anti-mouse PD-1 monoclonal antibody 29F.1A12 (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 29F.1A12 monoclonal antibody blocks the binding of both the mouse PD-L1 protein and the mouse PD-L2 protein to the mouse PD-1 protein.

The rat anti-mouse PD-L1 monoclonal antibody 10F.9G2 (rat IgG2b kappa) reacts with the mouse PD-L1 protein (programmed death ligand-1, B7-H1 or CD274), a member of the B7 family of the Ig superfamily. PD-1 has two ligands, PD-L1 and PD-L2. 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 10F.9G2 monoclonal antibody blocks the binding of the mouse PD-L1 protein to the mouse PD-1 protein.

It is under investigation how the recombinant anti-mouse PD-1 / PD-L1 bispecific antibodies (29F.1A12 / 10F.9G2 and 10F.9G2 / 29F.1A12) behave different from the individual monoclonal antibodies and their combination (29F.1A12 + 10F.9G2).

This recombinant anti-mouse PD-1 / PD-L1 bispecific antibodies have a part (variable regions) or complete amino acid sequences of the rat anti-mouse PD-1 antibody (hybridoma clone name or number: 29F.1A12) and the rat anti-mouse PD-L1 antibody (hybridoma clone name or number: 10F.9G2).

<b>Product Details</b>	
Species Reactivity	Mouse
Source	Mammalian Cells
Isotype	Mouse IgG2c, kappa
Class	Bispecific Antibody
Type	Recombinant Antibody
Clone	29F.1A12 / 10F.9G2
Target	PD-1 / PD-L1
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.