Catalog# BP-50598

Anti-mouse PD-1 / VEGFR-2 Bispecific Antibody, Mouse IgG2c LALAPG Kappa (Clone 29F.1A12.1 / DC101)

The rat anti-mouse PD-1 monoclonal antibody (clone No. 29F.1A12, 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 29F.1A12 antibody blocks 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 how the recombinant anti-mouse PD-1 / VEGFR-2 bispecific antibodies (29F.1A12.1 / DC101) behave different from the individual monoclonal antibodies and their combination.

This recombinant anti-mouse PD-1 / VEGFR-2 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 VEGFR-2 antibody (hybridoma clone name or number: DC101).

Product Details	
Species Reactivity	Mouse
Source	Mammalian Cells
Isotype	Mouse IgG2c, kappa
Class	Bispecific Antibody
Type	Recombinant Antibody
Clone	29F.1A12.1 / DC101
Target	PD-1 / VEGFR-2
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.