

**Anti-mouse PD-1 / VEGFR-2 Bispecific Antibody [29F.1A12.1 / DC101]
In Vivo - Low Endotoxin
IVMS0019**

Product Information

Description:	In Vivo Grade Recombinant Anti-mouse PD-1 / VEGFR-2 Bispecific Antibody, Mouse IgG2c LALAPG Kappa (Clone 29F.1A12.1 / DC101)
Antibody Size:	5 mg, 25 mg
Host:	CHO cells
Species Specificity:	Mouse
Background:	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 pcd1 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. Our 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).
Applications:	Immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Formulation:	0.2 µM filtered solution of 1x PBS.
Shipping:	The in vivo grade recombinant rat anti-mouse PD-1 / VEGFR-2 bispecific antibodies are 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. 3 month from date of receipt, 2 to 8°C as supplied. 12 months from date of receipt, -20°C to -70°C as supplied.
Usage:	Research Use Only (RUO)

Antibody Data

- Clone:** 29F.1A12.1, the same variable region sequences as the rat anti-mouse PD-1 monoclonal antibody (clone number: 29F.1A12). DC101, the same variable region sequences as the rat anti-mouse VEGFR-2 monoclonal antibody (clone number: DC101).
- Conjugation:** Unconjugated
- Isotype:** Mouse IgG2c, kappa.
- Purity:** >95% by SDS-PAGE under reducing conditions.
- Endotoxin Levels:** Less than 1 EU/mg of protein as determined by LAL method.