Anti-mouse PD-1 / PD-1 Bispecific Antibody (RMP1-14.1 / 29F.1A12.1) | PA008000.m2cLA

Catalog No.: PA008000.m2cLA | **Isotype:** Mouse IgG2c-LALAPG, Kappa | **In Vivo Grade**

Recombinant anti-mouse PD 1 / PD 1 bispecific antibodies share the variable region sequences with the rat anti-mouse PD-1 antibody (clone number: RMP1-14) and the rat anti-mouse PD-1 antibody (clone number: 29F.1A12). The recombinant mouse IgG2c LALAPG bispecific isotype control antibody available.

Product Specifications

Catalog No.	PA008000.m2cLA
Product Name	In Vivo Grade Recombinant Anti-mouse PD-1 / PD-1 Bispecific Antibody, Mouse IgG2c LALAPG Kappa (Clone RMP1-14.1 / 29F.1A12.1)
Clone & Isotype	RMP1-14.1 / 29F.1A12.1 | Mouse IgG2c-LALAPG, Kappa
Synonyms	Programmed Cell Death Protein 1, PD-1, CD279, Cluster of Differentiation 279, RMP1-14
Applications	immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Immunogen	The original rat hybridoma (clone name: RMP1-14) was generated by immunizing rats with mouse PD-1-transfected BHK cells. The original rat hybridoma (clone name: 29F.1A12) was generated by immunizing rats with the mouse PD-1 cDNA followed by the mouse PD-1-Ig fusion protein.
Purity & Endotoxin	**>95%** by SDS-PAGE under reducing conditions | **< 1 EU/mg** (LAL method)
Formulation	0.2 μm filtered solution of 1x PBS.
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. Shipped with ice pack.

Biological Description & Research Applications

Are you looking for a better anti-mouse PD-1 monoclonal antibody than the clones of RMP1-14 and 29F.1A12? 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 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. 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 the affinity of the recombinant anti-mouse PD-1 / PD-1 bispecific antibodies (RMP1-14 / 29F.1A12 and 29F.1A12 / RMP1-14) is higher than the individual monoclonal antibodies and their combination.

Our 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).

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-pd-1-pd-1-bispecific-antibody-pa008000-m2cla/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com