Anti-mouse CD279 (PD-1) Antibody | PA007162.m2cLA

Catalog No.: **PA007162.m2cLA** | Isotype: **Mouse IgG2c, Kappa** | **In Vivo Grade**

PRODUCT DESCRIPTION

The anti-mouse CD279 antibody is a highly specific, affinity-purified monoclonal antibody designed for advanced immunological studies in murine models. Targeting CD279, also known as Programmed Cell Death Protein 1 (PD-1), this antibody is an essential tool for researchers investigating immune checkpoint pathways, T-cell regulation, and cancer immunotherapy. Our anti-mouse CD279 antibody stands out for its exceptional specificity, minimal cross-reactivity, and robust performance across applications like flow cytometry, immunohistochemistry, and Western blotting.

Syd Labs's in vivo grade recombinant anti-mouse CD279 (PD-1) monoclonal antibody (mouse IgG2c-LALAPG kappa) was produced in mammalian cells. Its affinity to the mouse PD-1 protein is <2 nM. Recombinant anti-mouse PD-1/CD279 antibody shares identical variable region sequences with the rat anti-mouse PD-1 antibody (Clone: RMP1-14). The constant region of Syd Labs' Anti-mouse PD-1 Mouse IgG2c-LALAPG Kappa Monoclonal Antibody (Clone RMP1-14.1) is mouse IgG2c-LALAPG Kappa, which can be used in conjunction with the recombinant mouse IgG2c-LALAPG isotype control antibody. Sample preparation conditions and optimal dilution factors should be determined by researchers through experimental optimization.

PRODUCT SPECIFICATIONS

Catalog No.	PA007162.m2cLA
Product Name	In Vivo Grade Recombinant Anti-mouse PD-1 Monoclonal Antibody (Clone RMP1-14.1), Mouse IgG2c-L234A L235A P329G (LALAPG) Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Programmed Cell Death Protein 1, PD-1, CD279, Cluster of Differentiation 279, RMP1-14
Summary	Recombinant Anti-mouse CD279 (PD-1) Antibody (RMP1-14.1), Mouse IgG2c-LALAPG Kappa was produced in mammalian cells.
Clone	RMP1-14.1, the same variable region sequences as the rat anti-mouse PD-1 monoclonal antibody (clone number: RMP1-14).
Isotype	mouse IgG2c, kappa.
Applications	immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Immunogen	The original rat hybridoma (RMP1-14) was generated by immunizing rats with mouse PD-1-transfected BHK cells.
Form Of Antibody	0.2 μM filtered solution of 1x PBS.
Endotoxin	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping	Anti-mouse CD279 Antibody (RMP1-14.1), Mouse IgG2c-L234A L235A P329G (LALAPG)