Ushelf Life Sciences

High Quality Recombinant Antibodies & Biosimilars

TECHNICAL DATA SHEET

Anti-mouse PD-L1 Monoclonal Antibody (Clone 10F.9G2.1)

Catalog No.: PA007164.m2cLA

In Vivo Grade Recombinant Anti-mouse PD-L1 Mouse IgG2c-L234A L235A P329G (LALAPG) Kappa Monoclonal Antibody

PRODUCT SPECIFICATIONS

Catalog No.	**PA007164.m2cLA**
Product Name	In Vivo Grade Recombinant Anti-mouse PD-L1 Monoclonal Antibody (Clone 10F.9G2.1), Mouse IgG2c-L234A L235A P329G (LALAPG) Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Synonyms	Programmed Death Ligand 1, B7-H1, CD274, 10F.9G2
Summary	The in vivo grade recombinant anti-mouse PD-L1 / B7-H1 monoclonal antibody (mouse IgG2c-LALAPG kappa) was produced in mammalian cells.
Clone	10F.9G2.1, the same variable region sequences as the rat anti-mouse PD-L1 monoclonal antibody (clone number: 10F.9G2).
Isotype	mouse IgG2c, kappa.
Applications	immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays.
Immunogen	The original rat hybridoma (clone name: 10F.9G2) was generated by immunizing rats with the mouse PD-L1 cDNA and mouse PD-L1 CHO transfectants.
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	The in vivo grade recombinant anti-mouse PD L1 / B7-H1 monoclonal 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. 1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20°C to -70°C as supplied.

Background

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.

Our recombinant 10F.9G2 antibodies have a part (variable regions) or complete amino acid sequences of the rat anti-mouse PD L1 monoclonal antibody (hybridoma clone name or number: 10F.9G2).

Note: Recombinant anti-mouse PD L1 / B7-H1 monoclonal antibodies, which share the same variable region sequences with the rat anti-mouse PD L1 monoclonal antibody (clone number: 10F.9G2), are produced from mammalian cells and good for in vitro and in vivo studies.