

## Recombinant Anti-mouse PD-L1 Rat IgG2b Kappa Monoclonal Antibody (Clone 10F.9G2.1)

Catalog No.: PA007164.r2b

### 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).

**Source:** The in vivo grade recombinant anti-mouse PD-L1 rat IgG2b kappa monoclonal antibody (clone number: 10F.9G2.1) was produced in mammalian cells.

**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.

**Clone:** 10F.9G2.1, the same sequences as the rat anti-mouse PD-L1 monoclonal antibody (clone number: 10F.9G2).

**Isotype:** rat IgG2b, kappa.

**Specificity/Sensitivity:** The in vivo grade recombinant anti-mouse PD-L1 rat IgG2b kappa monoclonal antibody specifically binds to the mouse PD-L1.

**Applications:** ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse PD-L1.

**Form of Antibody:** 0.2 µM filtered solution of PBS, pH 7.4.

**Purity:** > 95% by reducing SDS-PAGE.

**Endotoxin Level:** Less than 1 EU/mg of protein as determined by the LAL method.

**Shipping:** The product is shipped at 4°C. 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 if stored at 4°C as supplied.

12 months from date of receipt if stored at -20°C to -70°C as supplied.

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<https://www.duozhaozhao.com/anti-mouse-pd-l1-antibody-pa007164-r2b/>