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

Catalog No.: YR0308

Basic Information

Molecular Weight
150 kDa

Endotoxin
<1EU/mg (<0.001EU/μg)Determined by LAL gel clotting assay

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

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.

Reported Applications

immunohistochemistry (IHC),Flow Cytometry (FC),and various in vitro and in vivo functional assays.

Immunogen Information

Clone
10F.9G2.1

Isotype
mouse IgG2b, kappa.

Immunogen
mouse PD-L1 cDNA and mouse PD-L1 CHO transfectants

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Mouse IgG2b Kappa Isotype Control Antibody

Recommended Dilution Buffer
1×PBS pH 7.0

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

Production
Purified from cell culture supernatant in an animal-free facility

Purification
Protein A or G purification

Storage
2 - 8°C for up to 4 weeks and -80°C for long term storage (Avoid repeated freezing and thawing)