
Product Data Sheet

Product Name: Anti-Mouse PD-L1 Antibody
Cat. No.: GC66337
Batch No.: 1

Product Data

Purity	>99.50%	Source	
Physical Appearance	A liquid	Shipping Condition	Shipping with blue ice/Shipping at ambient temperature.
Formulation	0.22 um filtered solution in PBS, pH 7.4		

Introduction

Immobilized Mouse PD-L1 Protein (His) (TMPY-01155) at 2 pg/mL (100pL/well) can bind Anti-Mouse PD-L1 Antibody (10F.9G2). The EC50 is 4.08 ng/mL.

Background

Anti-Mouse PD-L1 Antibody (10F.9G2) is an IgG2b antibody inhibitor against mouse PD-L1 (CD274/B7-H1), and the host is rat (Rat)^[1]. Anti-Mouse PD-L1 Antibody can be used in animals to block PD-L1^[2]. PD-L1 is one of the ligands of programmed death-1 (PD-1), the other is PD-L2. PD-1 is a member of the CD28 superfamily. Inhibition of the PD-1 pathway accelerates and enhances autoimmunity^[3]. Inhibitors of PD-1 and its ligands, collectively known as immune checkpoint inhibitors, can enhance T cell responses^[4]. PD-L1 is abundantly expressed in many mouse and human cancers and can be further upregulated under IFN- γ stimulation^[5].

References:

- [1] Stewart R, Morrow M, Hammond S A, et al. Identification and characterization of MEDI4736, an antagonistic anti-PD-L1 monoclonal antibody[J]. Cancer immunology research, 2015, 3(9): 1052-1062.
- [2] Dai S, Jia R, Zhang X, et al. The PD-1/PD-Ls pathway and autoimmune diseases[J]. Cellular immunology, 2014, 290(1): 72-79.
- [3] Dong Y, Sun Q, Zhang X. PD-1 and its ligands are important immune checkpoints in cancer[J]. Oncotarget, 2017, 8(2): 2171.

Caution: Product has not been fully validated for medical applications. For research use only.
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[4] Han Y, Liu D, Li L. PD-1/PD-L1 pathway: current researches in cancer[J]. American journal of cancer research, 2020, 10(3): 727.

[5] He R, Yang X, Liu C, et al. Efficient control of chronic LCMV infection by a CD4 T cell epitope-based heterologous prime-boost vaccination in a murine model[J]. Cellular & molecular immunology, 2018, 15(9): 815-826.

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