



11 Park Drive, Suite 12
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Rat monoclonal anti mouse B7-H1 (also called Programmed Death Ligand-1, PD-L1) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0064
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse PD-L1 transfected cells
Ig Type:	Rat IgG2
Clone	AP-MAB0871
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and Blocking

Description: PD-L1, also known as CD274, B7-H1, is a 40 kD type I transmembrane protein member of B7 family within the immunoglobulin receptor superfamily. It is expressed on T cells, B cells, NK cells, dendritic cells, IFN-γ activated endothelial cells, and monocytes. B7-H1 is one of the ligands of PD-1. The interaction of B7-H1 with PD-1 plays an important role in the inhibition of T cell responses. Other studies have shown that B7-H1 is able to costimulate T cell growth and cytokine production.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse **PD-L1 transfected cells**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

- 1. FC, and IP**
- 2. Blocking the binding of PD-L1 and PD-1**

*** The antibody is produced by in vitro culture.**

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