



# Anti-PD-L1 monoclonal antibody, clone 9D7 (CABT-BL8451)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Specificity	Human PD-L1
Immunogen	recombinant human PD-L1 extracellular domain
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	9D7
Purification	Protein A purification
Conjugate	Unconjugated
Applications	ELISA, WB, FC, Inhib
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.09% sodium azide, 50% glycerol, pH7.4
Preservative	0.09% Sodium Azide
Storage	This antibody is shipped at 4°C. This product is stable for 12 months from date of receipt when stored at -20°C to -70°C. Avoid freeze/thaw cycles.

## BACKGROUND

## Introduction

Programmed death-ligand 1 (PD-L1) is a 40kDa type 1 transmembrane protein that suppresses immune system. PD-L1 is expressed in hematopoietic and nonhematopoietic cells including T cells and B cells and various types of tumor cells. PD-L1 binds to its receptor Programmed death 1(PD1). During infection or inflammation, PD1- PD-L1 interaction is important for preventing autoimmunity. In tumor microenvironments, PD1-PD-L1 interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human cancers. In recent years, PDL1 has become an important biomarker and immunotherapy target for many types of malignancies.

---

## GENE INFORMATION

Entrez Gene ID	<a href="#">29126</a>
----------------	-----------------------

---

UniProt ID	<a href="#">Q9NZQ7</a>
------------	------------------------

---