



# Llama Anti-Human PD-L1(aa 19-239) monoclonal antibody, clone G7B0 (CABT- L1926)

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

## PRODUCT INFORMATION

<b>Specificity</b>	At least three isoforms of PD-L1 are known to exist.
<b>Target</b>	Human PD-L1
<b>Immunogen</b>	PD-L1 antibody was raised against a recombinant protein corresponding to amino acids 19 - 239 of human PD-L1.
<b>Source/Host</b>	Llama
<b>Species Reactivity</b>	Human
<b>Clone</b>	G7B0
<b>Purification</b>	PD-L1 Antibody is affinity chromatography purified via Nickel column.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS
<b>Preservative</b>	0.02% Sodium Azide

<b>Storage</b>	PD-L1 antibody should be stored in working aliquots at -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
----------------	---

## BACKGROUND

<b>Introduction</b>	Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by cognate peptides bound to MHC molecules on antigen-presenting cells (APC). T-cell activation is generally self-limited as activated T cells express receptors such as PD-1 (also known as PDCD-1) that mediate inhibitory signals from the APC. PD-1 can bind two different but related ligands, PD-L1 and PD-L2. PD-L1 is a B7-related protein that inhibits cell-mediated immune responses by reducing the secretion of IL-2 and IL-10 from memory T cells. This suggests that PD-L1 may be useful in reducing allogenic CD4+ memory T-cell responses to endothelial cells, thereby reducing the likelihood of host immune responses to allografts.
<b>Keywords</b>	CD274; CD274 molecule; B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; AMP-224

## GENE INFORMATION

<b>Gene Name</b>	CD274 CD274 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD274
<b>Synonyms</b>	CD274; CD274 molecule; B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1; programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; AMP-224
<b>Entrez Gene ID</b>	<a href="#">29126</a>
<b>UniProt ID</b>	<a href="#">Q0GN75</a>
<b>Chromosome Location</b>	9p24
<b>Pathway</b>	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; PD-1 signaling;
<b>Function</b>	protein binding;