



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

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

Storage	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.
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BACKGROUND

Introduction	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.
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Keywords	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
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GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens (human)]
Official Symbol	CD274
Synonyms	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
Entrez Gene ID	29126
UniProt ID	Q0GN75
Chromosome Location	9p24
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; PD-1 signaling;
Function	protein binding;