



Llama Anti-Human PD-L1 monoclonal antibody, clone G3H3 (CABT-L1927)

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	G3H3
Purification	PD-L1 Antibody is affinity chromatography purified via Nickel column.
Conjugate	Unconjugated
Applications	ELISA, ICC
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.

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.

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

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;