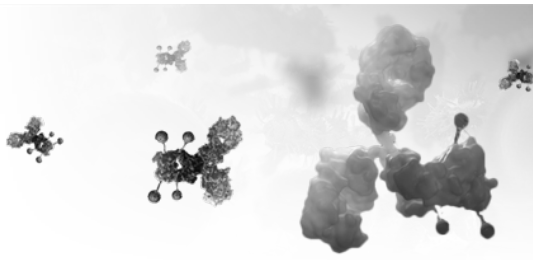

Mouse Anti-Human PD-L2 monoclonal antibody, clone N435 (CABT-ZB438)

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

PRODUCT INFORMATION

Specificity	It reacts with Human PD-L2
Target	PDCD1LG2
Immunogen	Recombinant Human PD-L2/B7-DC/CD273 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	N435
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect PD-L2 in antibody pair set. [ABPR-ZB012]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PD-L2/B7-DC/CD273. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Programmed death ligand 2 (PD-L2), also referred to as B7-DC and CD273, is a member of the B7 family of proteins including B7-1, B7-2, B7-H2, B7-H1 (PD-L1), and B7-H3. PD-L2 is a type I membrane protein and structurally consists of an extracellular region containing one V-like and one C-like Ig domain, a transmembrane region, and a short cytoplasmic domain. PD-L2 is expressed on antigen presenting cells, placental endothelium and medullary thymic epithelial cells, and can be induced by LPS in B cells, INF-γ in monocytes, or LPS plus IFN-γ in dendritic cells. The CD28 and B7 protein families are critical regulators of immune responses. PD-L2 and PD-L1 are two ligands for PD-1, member of the CD28/CTLA4 family expressed on activated lymphoid cells, and thus provide signals for regulating T cell activation and immune tolerance. The interaction of B7-DC/PD-1 exhibited a 2-6-fold higher affinity compared with the interaction of B7-H1/PD-1.
Keywords	PDCD1LG2; programmed cell death 1 ligand 2; B7DC; Btdc

GENE INFORMATION

Synonyms	PDCD1LG2; programmed cell death 1 ligand 2; B7DC; Btdc; PDL2; CD273; PD-L2; PDCD1L2; bA574F11.2; B7-DC; PD-1 ligand 2; PD-1-ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; programmed death ligand 2; B7 dendritic cell molecule; anti-PD-L2
Entrez Gene ID	80380
UniProt ID	Q9BQ51

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