

# PD-L2 Rabbit mAb

Catalog # AP74826

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9BQ51</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	30957

## Additional Information

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<b>Gene ID</b>	80380
<b>Other Names</b>	PDCD1LG2
<b>Dilution</b>	WB~~1:1000-1:5000
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	PDCD1LG2
<b>Synonyms</b>	B7DC, CD273, PDCD1L2, PDL2
<b>Function</b>	Plays a critical role in induction and maintenance of immune tolerance to self (PubMed: <a href="#">11224527</a> , PubMed: <a href="#">12538684</a> ). Acts as a ligand for the inhibitory receptor PDCD1/PD-1, inhibiting T-cell proliferation by blocking cell cycle progression and cytokine production (PubMed: <a href="#">11224527</a> ).
<b>Cellular Location</b>	[Isoform 3]: Secreted [Isoform 1]: Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

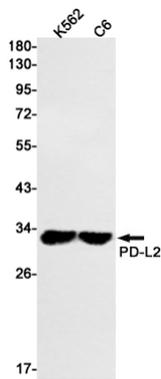
## Background

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CD273, known as B7-DC, is also called programmed death ligand 2 (PDL2). This ligand is a 25 kD type I transmembrane protein and a member of B7 family within the immunoglobulin receptor superfamily and is expressed on a subset of dendritic cells, liver and a small subset of macrophages as well as a few transformed cell lines. CD273 has been reported to be stimulatory on dendritic cells when cross-linked and to inhibit T cell activation upon engaging the PD-1 receptor. CD273 has also been reported to bind to an alternative receptor and to mediate T cell activation through such non-PD1 mediated interactions.

## Images

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Western blot analysis of PDL2 in K562, C6 lysates using PD L2 antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.