

## Recombinant Human B7-DC/PD-L2/CD273 Protein

RPCB0211

### Protein Information

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<b>Size:</b>	20 µg , 50 µg , 100 µg	<b>Tag:</b>	C-His
<b>Reactivity:</b>	Human	<b>Expressed Host:</b>	-
<b>Calculated MW:</b>	23.40 kDa	<b>Observed MW:</b>	35-50 kDa

### Background

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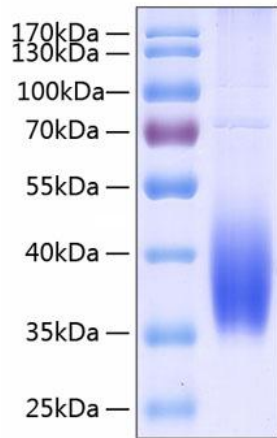
Programmed Death Ligand 2 (PD-L2), also known as B7-DC and butyrophilin-like protein, is a member of the B7 family of proteins that provide signals for regulating T-cell activation and tolerance. PD-L2 is expressed on dendritic cells, subsets of activated CD4+ and CD8+ T cells, and memory B cells that differentiate into plasma cells. At inflammatory sites such as rheumatoid arthritis, allergen exposure, and virus infection, PD-L2 is up-regulated on synoviocytes, infiltrating macrophages, dendritic cells, and airway epithelial cells. PD-L2, along with B7-H1/PD-L1, binds to T cell PD-1 where it promotes IFN-gamma production and CD40 Ligand up-regulation while inhibiting IL-4 production. In addition, PD-L2 binds to RGM-B on macrophages and alveolar epithelial cells, supporting respiratory immune tolerance. In asthma, PD-L2 suppresses IL-5 and IL-13 production, promotes IL-12 production by dendritic cells, and supports allergen-induced airway hyper-responsiveness and mucus production.

### Properties

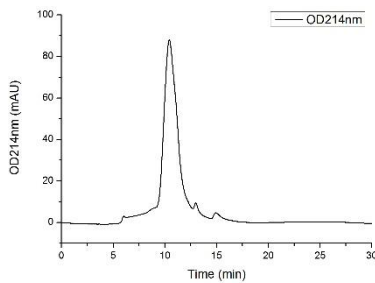
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<b>Synonyms:</b>	B7DC, Btdc, CD273, PD-L2, PDCD1L2, PDL2, bA574F11.2, PDCD1LG2
<b>Gene ID:</b>	80380
<b>Endotoxin:</b>	< 0.1 EU/µg of the protein by LAL method.
<b>Description:</b>	High quality, high purity and low endotoxin recombinant Recombinant Human B7-DC/PD-L2/CD273 Protein (RPCB0211), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
<b>Purity:</b>	≥ 95 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.
<b>Storage:</b>	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

## Validation Data



Recombinant Human B7-DC/PD-L2/CD273 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human B7-DC/PD-L2/CD273 Protein (RPCB0211) was greater than 90% as determined by SEC-HPLC.