

**Recombinant Human B7-DC / PD-L2 / CD273 Protein (His & Fc tag)****Cat.NO.: TP08584**

3th Edition

**Synonyms:**B7-DC;B7DC;bA574F11.2;Btdc;CD273;PD-L2;PDCD1L2;PDL2

**Description:**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- $\gamma$  in monocytes, or LPS plus IFN- $\gamma$  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.

**Immune Checkpoint**  
**Detection:** Antibodies   **Immune Checkpoint Detection:** ELISA Antibodies   **Immune Checkpoint Detection:** FCM Antibodies   **Immune Checkpoint Detection:** WB Antibodies  
**Immune Checkpoint Proteins**  
**Immune Checkpoint Targets**   **Co-inhibitory Immune Checkpoint Targets**   **Immunotherapy**   **Cancer Immunotherapy**   **Targeted Therapy**

**Form:**PBS**Molecular Weight:**50.4 kDa**Sequences:**Met 1-Pro 219**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.