

37-1103: Human B7-DC / PD-L2 / CD273 Recombinant Protein (His & Fc Tag)(Discontinued)

Reactivity :	Human
Alternative Name	B7-DC Protein, B7DC Protein, bA574F11.2 Protein, Btdc Protein, CD273 Protein, PD-L2 Protein, PDCD1L2 Protein, PDL2 Protein,

Description

Source : HEK293 Cells

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. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount : Purification :	L2 / CD273 Recombinant Protein (His & Fc Tag)(Discontinued) / 200 μg > 97 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Pro219

Application Note

Measured by its binding ability in a functional ELISA . Immobilized human PD1 at 2 $\tilde{A} \square \hat{A} \mu g/ml$ (100 $\tilde{A} \square \hat{A} \mu L/well$) can bind human PD-L2 with a linear ranger of 0.0064-0.16 $\tilde{A} \square \hat{A} \mu g/ml$. Endotoxin :< 1.0 EU per $\tilde{A} \square \hat{A} \mu g$ of the protein as determined by the LAL method

KDa	h4
116	
66.2	
45.0	
35.0	-
25.0	-
18.4	-
14.4	

Fig 1: Human B7-DC / PD-L2 / CD273 Recombinant Protein (His & Fc Tag)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.