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37-1009: Human B7-DC / PD-L2 / CD273 Recombinant Protein (His 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 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 Immunotherapy Targeted Therapy

Product Info

Amount : L2 / CD273 Recombinant Protein (His Tag)(Discontinued) / 200 µg

Purification : > 98 % 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 recombinant human PD-L2 at 1 µg/ml (100 µL/well) can bind recombinant human PD1 with a linear range of 7.8-1000 ng/ml.
Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

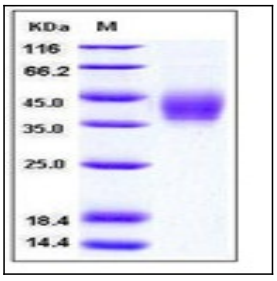


Fig 1: Human B7-DC / PD-L2 / CD273 Recombinant Protein (His Tag)

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