

PD-L2 Protein, Human (HEK293, His)

Cat. No.:	HY-P72492
Synonyms:	Programmed cell death 1 ligand 2; Pcdcl1lg2; PD-1 ligand 2; PD-L2; PDCD1 ligand 2; B7-DC; CD273
Species:	Human
Source:	HEK293
Accession:	Q9BQ51 (L20-P219)
Gene ID:	80380
Molecular Weight:	34-50 kDa

PROPERTIES

AA Sequence	<pre> L F T V T V P K E L Y I I E H G S N V T L E C N F D T G S H V N L G A I T A S L Q K V E N D T S P H R E R A T L L E E Q L P L G K A S F H I P Q V Q V R D E G Q Y Q C I I I Y G V A W D Y K Y L T L K V K A S Y R K I N T H I L K V P E T D E V E L T C Q A T G Y P L A E V S W P N V S V P A N T S H S R T P E G L Y Q V T S V L R L K P P P G R N F S C V F W N T H V R E L T L A S I D L Q S Q M E P R T H P </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human PD-L2 at 2 µg/mL(100 µl/well) can bind human PD-1, the EC ₅₀ of human PD-1 is 150-800 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4 or PBS, pH 7.4, 5% Trehalose, 5% Mannitol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PD-L2 Protein is integral to the costimulatory signal crucial for T-cell proliferation and IFNG production, operating in a PDCD1-independent manner. Its interaction with PDCD1, however, functions to inhibit T-cell proliferation by impeding cell cycle progression and cytokine production. The intricate interplay between PD-L2 and PDCD1 underscores its role as a regulatory checkpoint in modulating immune responses, influencing the activation and function of T cells. This molecular
-------------------	--

interaction adds a layer of complexity to the dynamic mechanisms governing T-cell behavior, highlighting PD-L2's versatile role in immune regulation.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA