

PD-L2 Protein, Mouse (200a.a, HEK293, Fc)

Cat. No.:	HY-P72491
Synonyms:	Programmed cell death 1 ligand 2; Pcdcl1lg2; PD-1 ligand 2; PD-L2; PDCD1 ligand 2; B7-DC; CD273
Species:	Mouse
Source:	HEK293
Accession:	Q9WUL5 (L20-R219)
Gene ID:	58205
Molecular Weight:	70-80 kDa

PROPERTIES

AA Sequence	<pre> L F T V T A P K E V Y T V D V G S S V S L E C D F D R R E C T E L E G I R A S L Q K V E N D T S L Q S E R A T L L E E Q L P L G K A L F H I P S V Q V R D S G Q Y R C L V I C G A A W D Y K Y L T V K V K A S Y M R I D T R I L E V P G T G E V Q L T C Q A R G Y P L A E V S W Q N V S V P A N T S H I R T P E G L Y Q V T S V L R L K P Q P S R N F S C M F W N A H M K E L T S A I I D P L S R M E P K V P R </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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	<p>The PD-L2 Protein assumes a critical role in the costimulatory signal necessary for T-cell proliferation and IFNG production, operating in a PDCD1-independent manner. While its interaction with PDCD1 can inhibit T-cell proliferation by impeding cell cycle progression and cytokine production, PD-L2 itself is intricately involved in fostering these immune responses. The dynamic interplay between PD-L2 and PDCD1 highlights the regulatory mechanisms at play, emphasizing the protein's dual role in promoting or inhibiting T-cell activation based on its interactions within the immune signaling network.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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