

PD-L1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P73365
Synonyms:	Programmed cell death 1 ligand 1; PD-L1; B7-H1; CD274; PDL1
Species:	Rat
Source:	HEK293
Accession:	NP_001178883.1 (A18-T238)
Gene ID:	499342
Molecular Weight:	Approximately 41.79 kDa

PROPERTIES

AA Sequence	<pre> A F T I T A P K D L Y V V E Y G S N V T M E C R F P V E Q K L D L L A L V V Y W E K E D K E V I Q F V E G E E D L K P Q H S S F R G R A F L P K D Q L L K G N A V L Q I T D V K L Q D A G V Y C C M I S Y G G A D Y K R I T L K V N A P Y R K I N Q R I S M D P A T S E H E L M C Q A E G Y P E A E V I W T N S D H Q S L S G E T T V T T S Q T E E K L L N V T S V L R V N A T A N D V F H C T F W R V H S G E N H T A E L I I P E L P V P R L P H N R T </pre>
Biological Activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated CTLL κ 2 mouse cytotoxic T cells. The ED ₅₀ for this effect is 0.1872 μ g/ml in the presence of 10 g/mL anti-CD3, corresponding to a specific activity is 5.34 \times 10 ³ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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	Programmed death-ligand 1 (PD-L1) plays a critical role in the positive regulation of T cell proliferation and cell migration. Situated on the cell surface, PD-L1 serves as a biomarker for conditions such as periodontitis and pre-eclampsia. Its orthologous counterpart in humans is CD274 (CD274 molecule). With biased expression observed in the thymus (RPKM 102.9), spleen (RPKM 58.3), and various other tissues, PD-L1 is central to immune regulation and holds significance in the
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context of diverse physiological and pathological conditions.

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

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