

## PD-L2 Protein, Human (Biotinylated, HEK293, His-Avi)

|                   |   |
|-------------------|---|
| Cat. No.:         | HY-P72407   |
| Synonyms:         | PD-1 Ligand 2; PDCD1 Ligand 2; B7-DC; CD273; PDCD1LG2; B7DC; CD273; PDCD1L2; PDL2 |
| Species:          | Human   |
| Source:           | HEK293  |
| Accession:        | Q9BQ51 (L20-P219)   |
| Gene ID:          | 80380   |
| Molecular Weight: | 38-60 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> |
| 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 <sub>2</sub> 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>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.</p> |
|------------|---|

---

**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](mailto:tech@MedChemExpress.com)

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