PD-L2 Protein, Human (HEK293, mFc)

Cat. No.:	HY-P70734
Synonyms:	Programmed Cell Death 1 Ligand 2; PD-1 Ligand 2; PD-L2; PDCD1 Ligand 2; Programmed Death Ligand 2; Butyrophilin B7-DC; B7-DC; CD273; PDCD1LG2; B7DC; CD273; PDCD1L2; PDL2
Species:	Human
Source:	HEK293
Accession:	Q9BQ51 (L20-P219)
Gene ID:	80380
Molecular Weight:	60-90 kDa

PROPERTIES

AA Sequence	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
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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.

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