



Certificate of Analysis

PD-L1 Protein, Human (HEK293)

Cat. No.:	HY-P73361
Batch No.:	268590
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	Q9NZQ7-1/NP_054862.1 (F19-R238)
Gene ID:	29126
Molecular Weight:	Approximately 31-38 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated CTLL-2 mouse cytotoxic T cells. The ED ₅₀ for this effect is 0.2191 μg/ml in the presence of 10 μg/mL anti-CD3, corresponding to a specific activity is 4.56×10 ³ units/mg.	0.2191 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
Storage & Stability	Stored at -20°C for 2 years from date of receipt. 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.	

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

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