



# Certificate of Analysis

## PD-1 Protein, Human (Biotinylated, HEK293, His)

Cat. No.:	HY-P77509
Batch No.:	281161
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	Q15116 (L25-Q167)
Gene ID:	5133
Molecular Weight:	Approximately 17.4 kDa.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized PD-1 Protein, Human, Recombinant (His Tag), Biotinylated at 2 μg/mL (100 μL/well) can bind PD-L1 Protein, Human, Recombinant (ECD, hFc Tag), the EC <sub>50</sub> is 300-1500 ng/mL.	300-1500 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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