



Certificate of Analysis

B7-1/CD80 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78382
Batch No.:	389011
Species:	Human
Source:	HEK293
Tag:	C-Avi;C-His
Accession:	P33681 (V35-N242)
Gene ID:	941
Molecular Weight:	50-70 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized Human CTLA-4, hFc Tag at 1 μg/mL (100 μl/well) on the plate. Dose response curve for Human B7-1, His Tag with the EC ₅₀ of ≤2 μg/mL determined by ELISA.	0.94 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. 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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