



Certificate of Analysis

4-1BBL/TNFSF9 Protein, Human (Biotinylated, HEK293, Fc-Avi)

Cat. No.:	HY-P78933
Batch No.:	289253
Species:	Human
Source:	HEK293
Tag:	C-Avi;C-hFc
Accession:	P41273 (A50-E254)
Gene ID:	8744
Molecular Weight:	50-55 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human 4-1BB at 0.1 μg/mL can bind Biotinylated Human 4-1BB Ligand. The EC ₅₀ is 2.943-3.928 ng/mL.	2.943-3.928 ng/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. 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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