



Certificate of Analysis

CD44 Protein, Human (Biotinylated, HEK293)

Cat. No.:	HY-P700402
Batch No.:	354800
Species:	Human
Source:	HEK293
Tag:	C-Avi;C-mFc
Accession:	P16070 (Q21-P220)
Gene ID:	960
Molecular Weight:	Approximately 29 kDa. The reducing (R) protein migrates as 75 kDa in SDS-PAGE may be due to glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	94.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Anti-CD44 Mouse Monoclonal Antibody at 2 μg/mL can bind Biotinylated human CD44, the EC ₅₀ is ≤6 ng/mL.	4.576-5.376 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 (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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