



Certificate of Analysis

Mucin-1/MUC1 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.: HY-P78833
Batch No.: 337124
Species: Human
Source: HEK293
Tag: C-Avi;C-His
Accession: P15941 (S890-G1158)
Gene ID: 4582
Molecular Weight: 45-70 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human MUC1 at 2 μg/mL on streptavidin coated plates can bind Anti-MUC1 antibody. The EC ₅₀ is 2.332-4.052 ng/mL.	PASS
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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