



Certificate of Analysis

IgG1 Protein, Human (D239E, L241M, HEK293)

Cat. No.:	HY-P70796
Batch No.:	252146
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P01857-1 (D104-K330, D239E, L241M)
Gene ID:	3500
Molecular Weight:	Approximately 33 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.58%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. 2 μg/mL (100 μL/well) of immobilized Human IgG can bind Human CD64 with the ED50 is 30-150 ng/mL.	33.81 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
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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