



Certificate of Analysis

IL-4 Protein, Mouse (Q136D, Y139D, sf9, His)

Cat. No.:	HY-P73215
Batch No.:	245249
Species:	Mouse
Source:	<i>Sf9 insect cells</i>
Tag:	C-His
Accession:	P07750 (M1-S140,Q136D,Y139D)
Gene ID:	16189
Molecular Weight:	Approximately 19 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	<p>1. Measured by its binding ability in a functional ELISA. Immobilized IL-4 Protein, Mouse (sf9, Q136D, Y139D, His) at 10 μg/mL (100 μl/well) can bind rat IL4R-Fc and the EC₅₀ is 0.12-0.29 μg/mL.</p> <p>2. Measured by its ability to inhibit mL4-dependent proliferation of HT-2 cells and the ED₅₀ is typically 2-10 ng/mL in the presence of 2 ng/mL mouse IL4.</p>	PASS (Test by method 1) 7.8 ng/mL (Test by method 2)
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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