



Certificate of Analysis

IL-12 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P701008
Batch No.:	293762
Species:	Cynomolgus
Source:	HEK293
Tag:	C-His
Accession:	G7P6S2 (I23-S328)&XP_005546300.2 (R57-S253)
Gene ID:	/&102115316
Molecular Weight:	45-48 kDa (IL-12B) & 38-44 kDa (IL-12A)

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to enhance IFN-gamma secretion in NK-92 human natural killer lymphoma cells. The ED ₅₀ for this effect is 0.7733 ng/mL, corresponding to a specific activity is 1.293×10 ⁶ U/mg.	0.7733 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. 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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