



# Certificate of Analysis

## IL-10 Protein, Human

Cat. No.:	HY-P7030
Batch No.:	406138
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P22301 (S19-N178)
Gene ID:	3586
Molecular Weight:	Approximately 18.6 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	95.90%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.The ED <sub>50</sub> is typically 1- 8 ng/mL as measured by MC/9-2 mouse mast cells in a cell proliferation assay. 2.Immobilized human IL10 at 2 μg/mL (100 μL/well) can bind Cynomolgus IL10RA-Fc and the EC <sub>50</sub> of Cynomolgus IL10RA-Fc is 0.1-0.3 μg/mL.	2.3 ng/mL (Test by method 1) 0.103 μg/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 <sub>2</sub> 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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