



# Certificate of Analysis

## IL-10 Protein, Pig

**Cat. No.:** HY-P73154  
**Batch No.:** 243435  
**Species:** Pig  
**Source:** *E. coli*  
**Tag:** Tag Free  
**Accession:** Q29055 (S19-N175)  
**Gene ID:** 397106  
**Molecular Weight:** Approximately 18.0 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.50%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized IL-10 Protein, Pig at 2 μg/mL (100 μl/well) can bind Rhesus IL10RA-hFc and the EC <sub>50</sub> is 25-100 ng/mL. 2.Measured in a cell proliferation assay using MC/9-2 mouse mast cells and the ED <sub>50</sub> is typically 1-5 ng/mL.	PASS(Test by method 1) 2.8 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 <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. 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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