



## Certificate of Analysis

## CD47 Protein, Cynomolgus/Rhesus Macaque (HEK293, C-His)

Cat. No.:	HY-P700682
Batch No.:	385156
Species:	Rhesus Macaque;Cynomolgus
Source:	HEK293
Tag:	C-His
Accession:	F7A802/NP_001253446 (Q19-E142)
Gene ID:	704980/102139846
Molecular Weight:	Approximately 30-43 kDa due to the glycosylation.

## ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥97.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human SIRP alpha at 2 μg/mL (100 μL/well) can bind Cynomolgus CD47. The ED <sub>50</sub> for this effect is ≤1 μg/mL.	0.1762 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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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