



Certificate of Analysis

CD14 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74331
Batch No.:	406733
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	Q63691 (S18-Y341)
Gene ID:	60350
Molecular Weight:	Approximately 45-57 kDa due to the glycosylation.

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	Measured by its ability to enhance LPS-induced IL-6 secretion by mouse splenocytes. The ED ₅₀ for this effect is 0.488 μg/mL, corresponding to a specific activity is 2049.180 U/mg.	0.488 μg/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 (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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