



Certificate of Analysis

MD-2/LY96 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77081
Batch No.:	312264
Species:	Mouse
Source:	HEK293
Tag:	C-hFc
Accession:	Q9JHF9 (E19-N160)
Gene ID:	17087
Molecular Weight:	Approximately 47 kDa

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 binding ability in a functional ELISA. When recombinant human TLR-4 is immobilized at 2 μg/mL (100 μL/well), can bind Biotinylated MD-2. The ED ₅₀ for this effect is 1.491 μg/mL.	PASS
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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