



# Certificate of Analysis

## CD83 Protein, Rat (HEK293, His)

Cat. No.:	HY-P75375
Batch No.:	385047
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	B2GV95 (M22-A134)
Gene ID:	361226
Molecular Weight:	Approximately 27-35 kDa due to the glycosylation.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥96.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of human monocyte-derived dendritic cells. When $5 \times 10^4$ cells/well are added to Rat CD83 coated plates (5 μg/mL, 100 μL/well), approximately 68.76% adhered after 30 minutes at 37° C.	68.76%
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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