



# Certificate of Analysis

## CD31/PECAM-1 Protein, Human

Cat. No.:	HY-P72892
Batch No.:	283910
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	EAW94208.1 (Q28-K601)
Gene ID:	5175
Molecular Weight:	Approximately 115 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When $5 \times 10^4$ cells/well are added to rhCD31 coated plates (3.3 μg/mL, 100 μL/well) in the presence of 20 ng/mL PMA, approximately 80.4% will adhere after 30 minutes at 37°C.	PASS
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. 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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