



Certificate of Analysis

HER2/CD340 Protein, Human (HEK293)

Cat. No.:	HY-P73094
Batch No.:	260499
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P04626 (T23-T652)
Gene ID:	2064
Molecular Weight:	100-110 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	93.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized HER2/CD340 Protein, Human (HEK293) at 10 μg/mL (100μL/well) can bind herceptin and the EC ₅₀ is 7-90 ng/mL. 2.Measured by its ability to block anti-ErbB2 mediated inhibition of BT474 human breast ductal carcinoma cell proliferation and the ED ₅₀ is 0.3-2.4 μg/mL in the presence of 0.6 μg/mL Anti-ErbB2/Her2 Monoclonal Antibody.	Pass (Test by method 1) 0.3 μg/mL (Test by method 2)
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
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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