



# Certificate of Analysis

## HER2/CD340 Protein, Canine (HEK293, His)

Cat. No.:	HY-P74897
Batch No.:	306697
Species:	Canine
Source:	HEK293
Tag:	C-His
Accession:	A0A8I3NJW9 (T23-T652)
Gene ID:	403883
Molecular Weight:	75- 95 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 to block anti-ErbB2 mediated inhibition of SK-BR-3 human breast cancer cell proliferation. The ED <sub>50</sub> this effect is 0.4594 μg/mL in the presence of 0.6 μg/mL Trastuzumab, corresponding to a specific activity is 2.177×10 <sup>3</sup> units/mg.	0.4594 μg/mL
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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