

Datasheet for ABIN7274794

**ErbB2/Her2 Protein (AA 23-652) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ErbB2/Her2
Protein Characteristics:	AA 23-652
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ErbB2/Her2 protein is labelled with His tag.

## Product Details

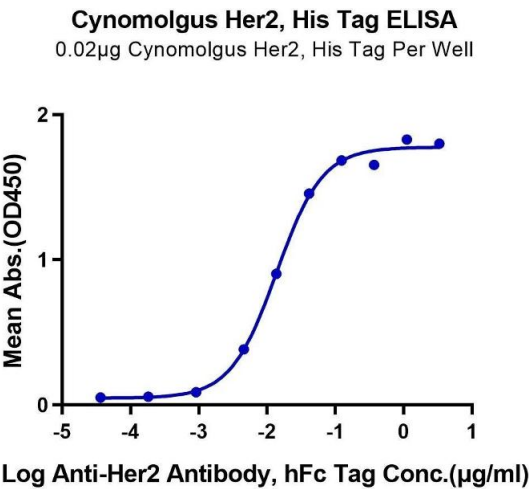
Purpose:	Cynomolgus Her2/ErbB2 Protein
Sequence:	Thr23-Thr652
Characteristics:	Recombinant Cynomolgus Her2/ErbB2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr23-Thr652.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus Her2, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Her2 Antibody, hFc Tag with the EC50 of 13.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	ErbB2/Her2
Alternative Name:	Her2 ( <a href="#">ErbB2/Her2 Products</a> )
Background:	ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane.
Molecular Weight:	70.4 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005584091</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Skeletal Muscle Fiber Development</a>

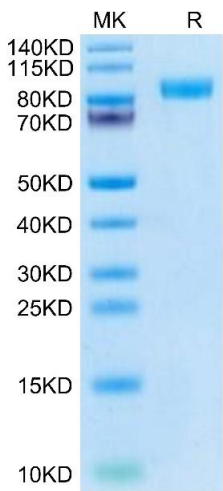
## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



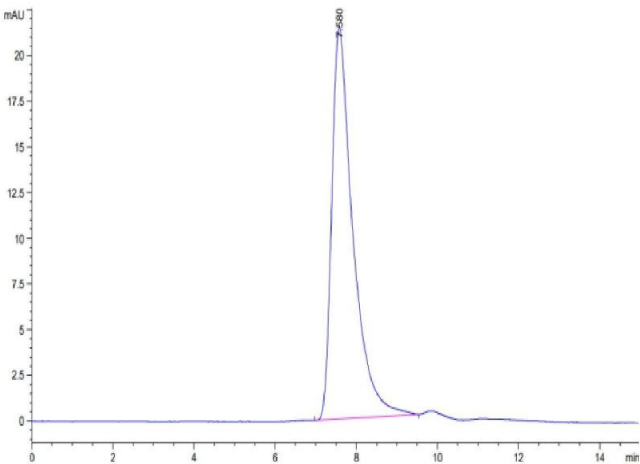
**ELISA**

**Image 1.** Immobilized Cynomolgus Her2, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-Her2 Antibody, hFc Tag with the EC50 of 13.8 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Cynomolgus Her2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Cynomolgus Her2 is greater than 95 % as determined by SEC-HPLC.