

Datasheet for ABIN7274800

**ErbB2/Her2 Protein (His-Avi Tag,Biotin)**[Go to Product page](#)**4** Images

## Overview

Quantity:	100 µg
Target:	ErbB2/Her2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ErbB2/Her2 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Sequence:	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 Anti-Her2 Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human Her2, His Tag with the EC50 of 9.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	ErbB2/Her2
Alternative Name:	Her2 ( <a href="#">ErbB2/Her2 Products</a> )
Background:	CD340, EGFR2, ErbB2, HER2, HER-2, herstatin, MLN 19, MLN19, Neu Oncogene, NEUHER-2/neu, NGL, p185erbB2, TKR1, ERBB2, HER-2/neu, NEU, ENV, ENVW, ERVWE1, HERV-7q, HERV-W-

## Target Details

ENV, HERV7Q, HERVW, HERVWENV, 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:** 72.3 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.

**Pathways:** [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Skeletal Muscle Fiber Development](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Reconstitution:** Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

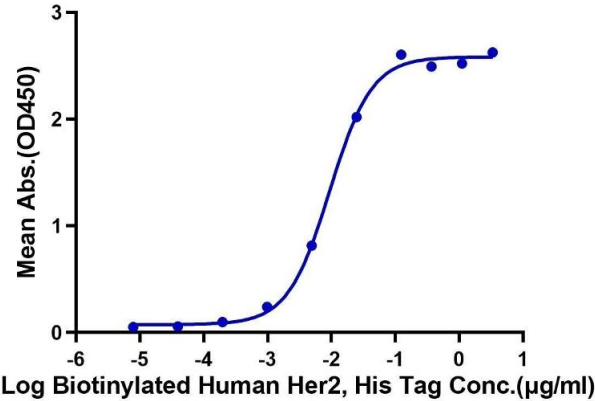
**Buffer:** Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

**Storage:** 4 °C, -80 °C

**Storage Comment:** Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

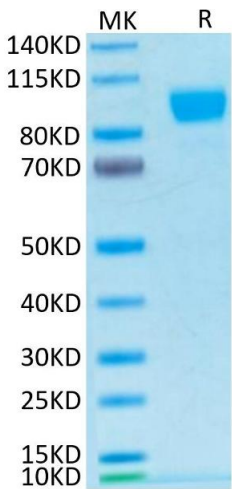
**Expiry Date:** 12 months

**Biotinylated Human Her2, His Tag ELISA**  
0.05µg Anti-Her2 Antibody, hFc Tag Per Well



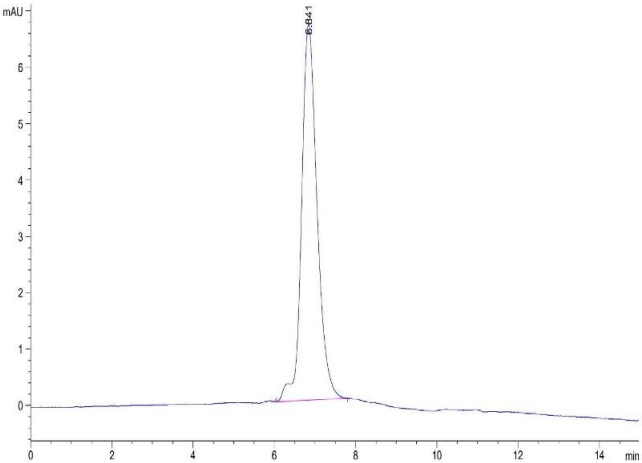
**ELISA**

**Image 1.** Immobilized Anti-Her2 Antibody, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human Her2, His Tag with the EC50 of 9.4 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Biotinylated Human Her2/ErbB2 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 Biotinylated Human Her2/ErbB2 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274800.