

Datasheet for ABIN7274799

ErbB2/Her2 Protein (AA 23-652) (His-Avi Tag)

5 Images

[Go to Product page](#)

Overview

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

Product Details

Purpose:	Human Her2/ErbB2 Protein
Sequence:	Thr23-Thr652
Characteristics:	Recombinant Human Her2/ErbB2 Protein is expressed from HEK293 with His tag and Avi 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 Human 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 8.1ng/ml determined by ELISA. See testing image for detail.

Target Details

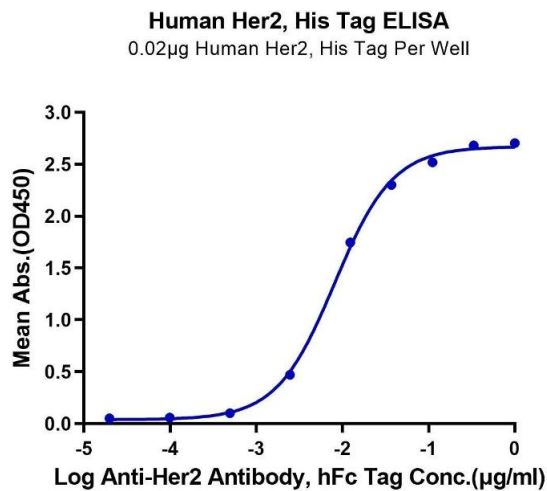
Target:	ErbB2/Her2
Alternative Name:	Her2 (ErbB2/Her2 Products)
Background:	ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal 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:	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
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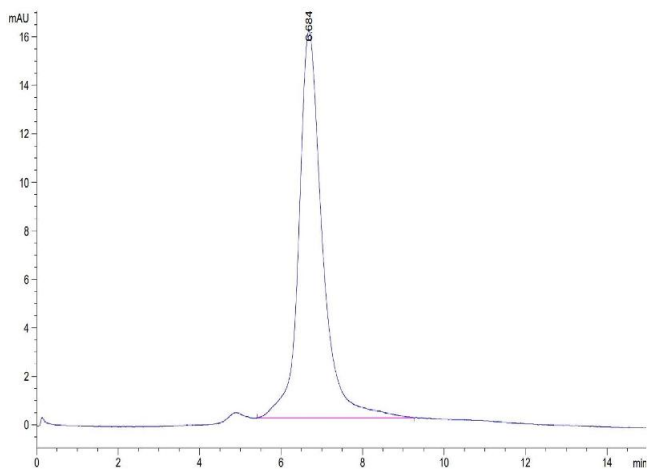
Handling

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



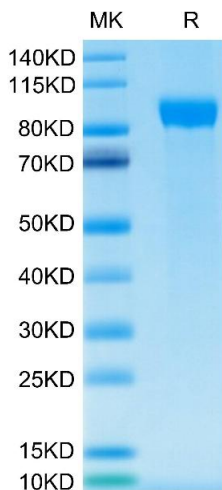
ELISA

Image 1. Immobilized Human 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 8.1 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Her2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human Her2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274799.