

Datasheet for ABIN7274796

ErbB2/Her2 Protein (AA 23-652) (Fc Tag)**4** 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 Fc Tag.

Product Details

Purpose:	Human Her2/ErbB2 Protein
Sequence:	Thr23-Thr652
Characteristics:	Recombinant Human Her2/ErbB2 Protein is expressed from HEK293 with hFc 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 at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Her2 Antibody, hFc Tag with the EC50 of 0.15µg/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. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane.
Molecular Weight:	96.1 kDa. Due to glycosylation, the protein migrates to 100-120 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

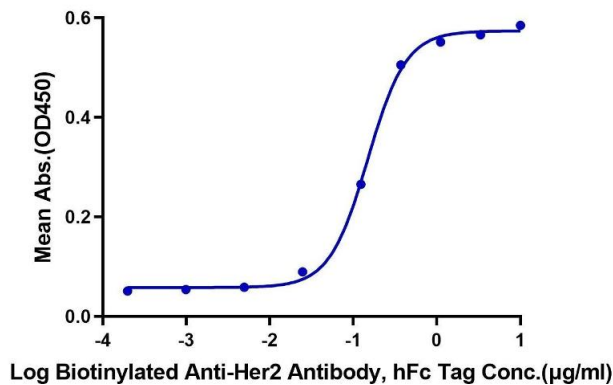
Application Details

Restrictions:	For Research Use only
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Handling

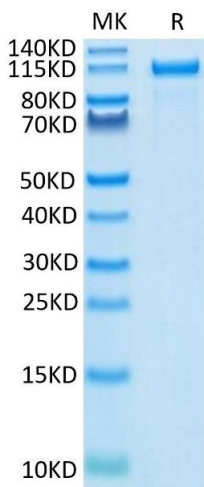
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human Her2, hFc Tag ELISA
0.1µg Human Her2, hFc Tag Per Well



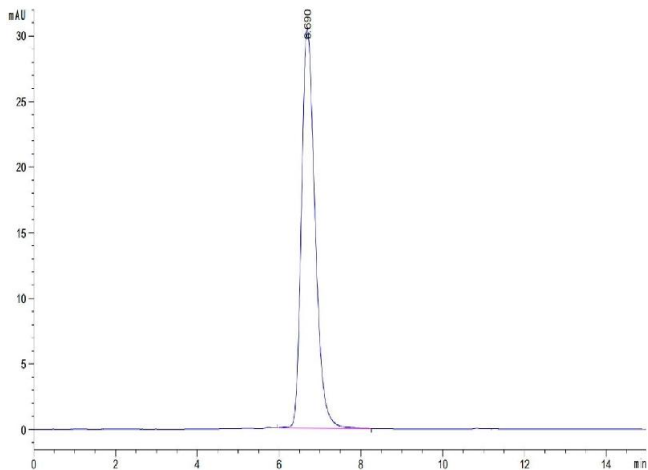
ELISA

Image 1. Immobilized Human Her2 at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-Her2 Antibody , hFc Tag with the EC50 of 0.15 µg/mL determined by ELISA.



SDS-PAGE

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

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274796.