

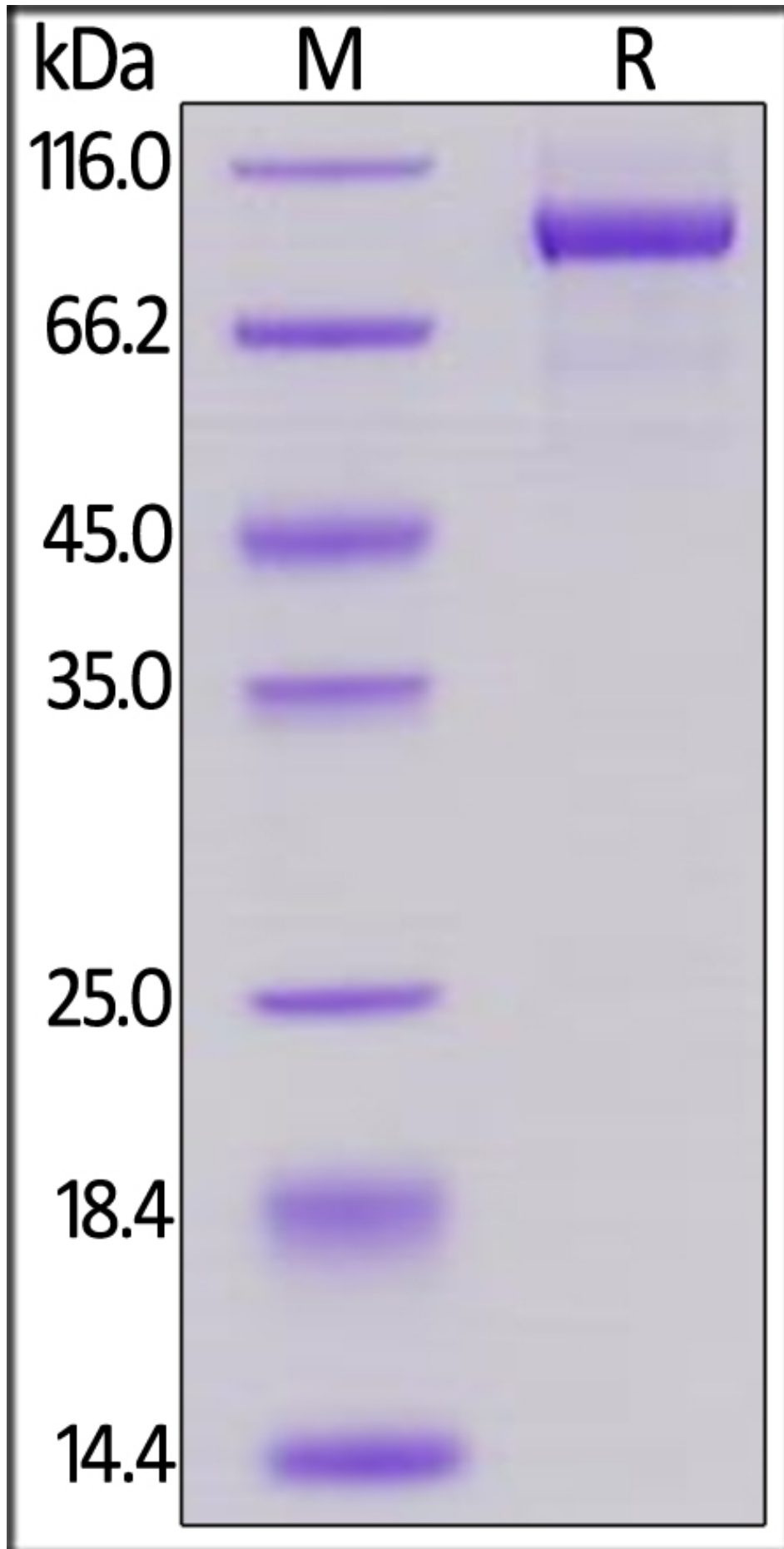
# Recombinant Human ERBB2 protein, C-His-Avi Tag, Biotinylated

## Product Information

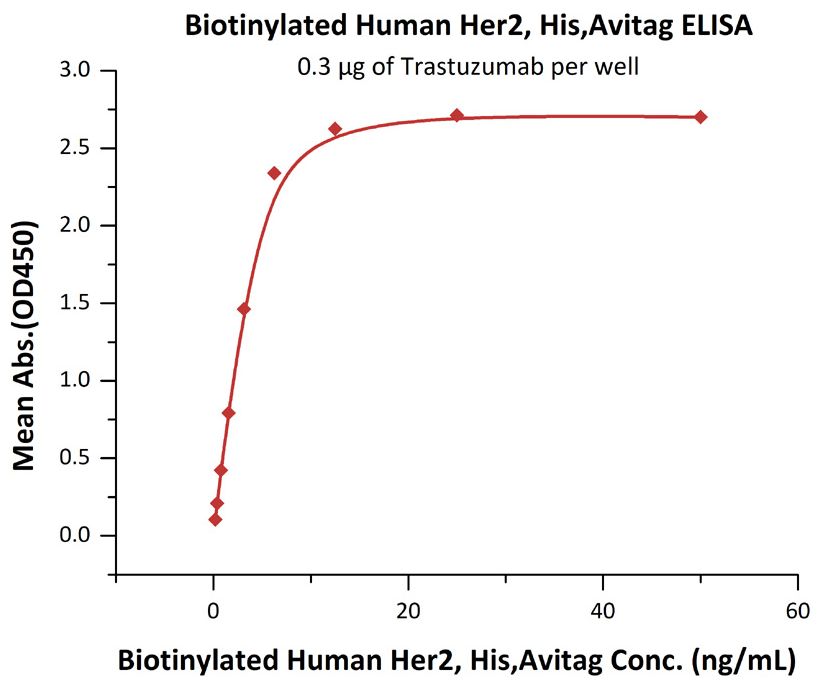
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<b>Cat</b>	<i>IMP-597</i>
<b>Official Symbol</b>	<i>ERBB2</i>
<b>Product Overview</b>	<i>Biotinylated Recombinant Human ERBB2 protein(NP_001005862.1 )(Thr 23-Thr 652), fused to C-His-Avi Tag, was expressed in HEK293.</i>
<b>Expression System</b>	<i>HEK293</i>
<b>Species</b>	<i>Human</i>
<b>Tag</b>	<i>C-His-Avi Tag, Biotinylated</i>
<b>Form</b>	<i>Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.</i>
<b>Molecular Mass</b>	<i>The protein has a calculated MW of 73.0 kDa. The protein migrates as 85-95 KDa under reducing (R) condition (SDS-PAGE) due to glycosylation.</i>
<b>Protein length</b>	<i>Thr 23-Thr 652</i>
<b>Endotoxin</b>	<i>Less than 1.0 EU per µg by the LAL method.</i>
<b>Purity</b>	<i>&gt;90% as determined by SDS-PAGE.</i>
<b>Storage</b>	<i>For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.</i>
<b>Reconstitution</b>	<i>It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.</i>

## SDS-PAGE

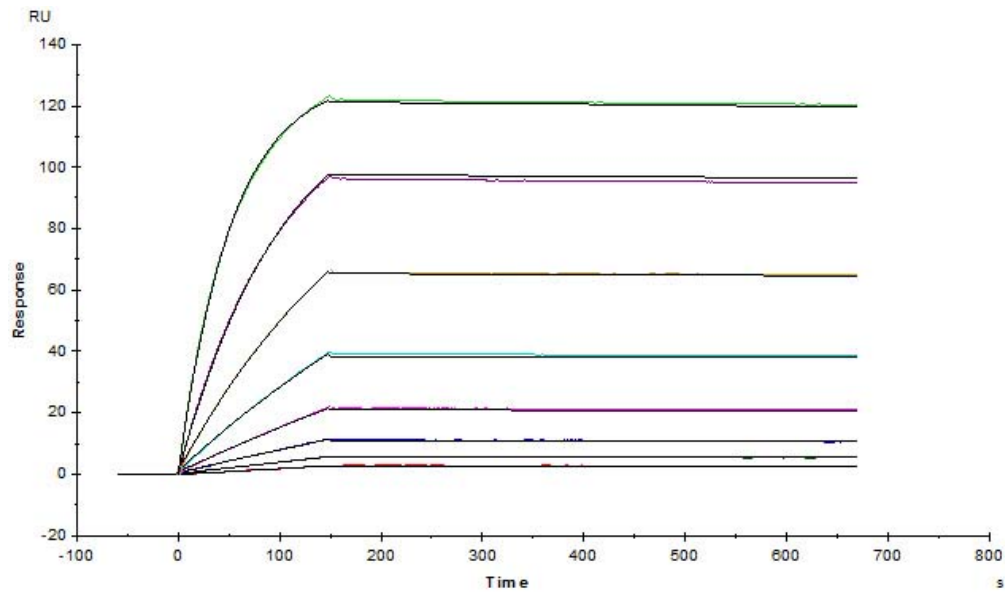


**Bioactivity-ELI**



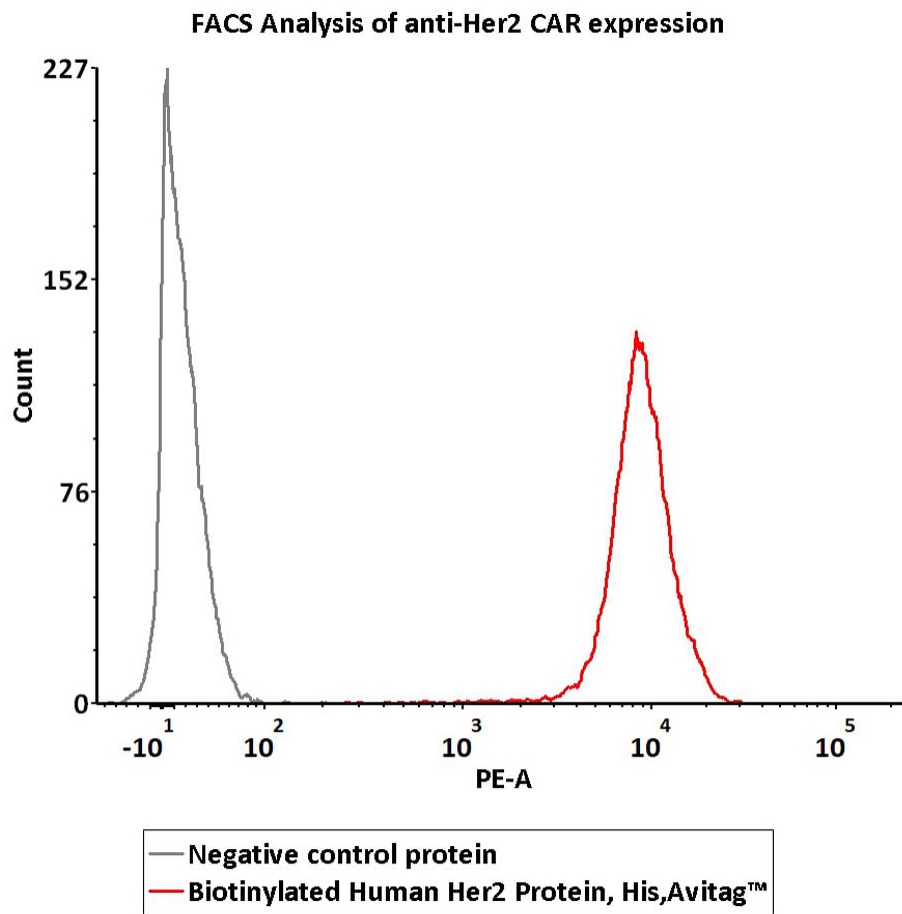
***Immobilized Trastuzumab at 3  $\mu$ g/mL (100  $\mu$ L/well) can bind Biotinylated Human Her2, His,Avitag with a linear range of 0.2-6 ng/mL.***

**Bioactivity-SPR 1**



***Biotinylated Human Her2, His,Avitag immobilized on SA Chip can bind Herceptin with an affinity constant of 17 pM as determined in a SPR assay.***

## **Bioactivity-FACS 1**



***2e5 of Anti-Her2 CAR-293 were stained with 100  $\mu$ L of 1  $\mu$ g/mL of Biotinylated Human Her2 Protein, His,Avitag and negative control protein respectively, washed and then followed by PE-SA and analyzed with FACS.***