

Recombinant Human ERBB2 protein, His-Avi-tagged, Biotinylated

Cat. No. ERBB2-183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERBB2 Protein (P04626-1, 23-652aa), was expressed in HEK293 with C-terminal His tag, Avi tag and biotinylated conjugate.
Species	Human
Source	HEK293
ProteinLength	23-652 aa
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human Her2, His Tag at 0.5ug/ml (100ul/Well) on streptavidin (5ug/ml) precoated plate. Dose response curve for Anti-HER2 Antibody, hFc Tag with the EC50 of 2.6ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 72.3 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	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.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [Homo sapiens]
Official Symbol	ERBB2
Synonyms	ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NGL, v erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); receptor tyrosine-protein kinase erbB-2; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NGL; TKR1; HER-2; MLN 19; HER-2/neu;
Gene ID	2064
mRNA Refseq	NM_001005862

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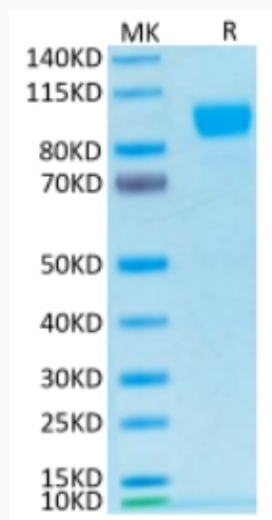
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Protein Refseq NP_001005862

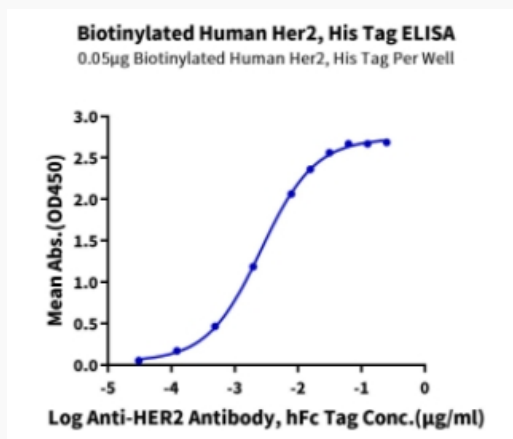
MIM 164870

UniProt ID P04626

Tris-Bis PAGE



ELISA Data



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