

Product datasheet for **EA200049**

Human Her2 (ERBB2) ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human Her2 (ERBB2) ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	78-5000pg/ml
Sample Type:	Human serum, plasma and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of ErbB2/HER2
Sensitivity:	31pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">• ErbB2 Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate• Recombinant human ErbB2 Standard (250ng/ml) 0.1 mL• 100x Biotin conjugated ErbB2 Detection Antibody 0.12 mL• 100x SA-HRP Conjugate 0.12 mL• Assay Buffer 40 mL• Sample Diluent 30 mL• Wash Buffer Concentrate 20X 60 mL• TMB Substrate 12 mL• Stop Solution 12 mL• Plate Sealer 3 pieces



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Background:

ErbB2, also called Neu or Her2, is a transmembrane glycoprotein encoded by human Her-2 gene, which is closely related to the epidermal growth factor receptor protein. ErbB2 is a 185 kDa glycoprotein that contains an extracellular ligand-binding domain and intracellular tyrosine kinase activity. ErbB2 is widely expressed in low levels in epithelial cells of normal human tissues and over-expressed in some type of cancers. ErbB2 heterodimerizes with ErbB1/ErbB2, ErbB3, or ErbB4 to form higher affinity signaling complexes. The ErbB2/ErbB3 heterodimer is expressed in the majority of breast, skin, ovary and gastrointestinal tumors and transduces a highly mitogenic signal in response to neuregulin 1 (NRG1) or NRG2. In these malignancies the HER-2 oncoprotein overexpression is correlated with a poor prognosis. Soluble forms of ErbB2 can be generated by proteolytic shedding or by alternative splicing. A 110 kDa soluble fragment of ErbB2 can be released by protease ADAM10 from the cell surface. Serum levels of soluble ErbB2 are elevated in individuals with Her2+ metastatic breast tumors and may be associated with survival.

Gene Symbol:

ERBB2

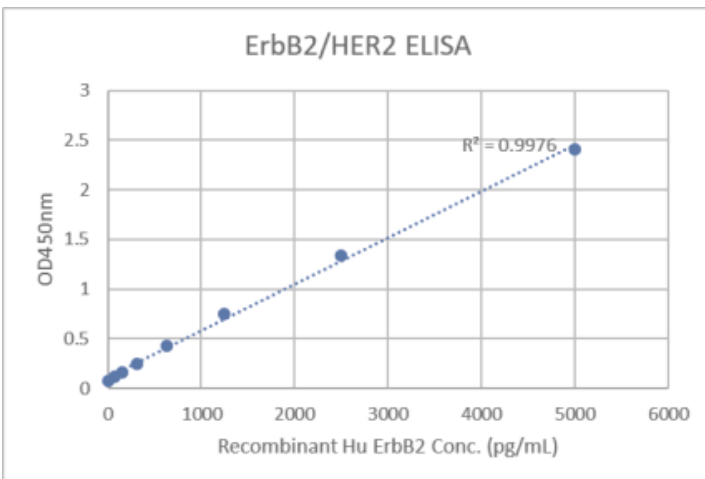
Gene ID:

2064

Standard Curve:

□

Data image of Human Her2 (ERBB2) ELISA Kit.

Product images:

Data image of Human Her2 (ERBB2) ELISA Kit.