

Datasheet for ABIN2042457
ErbB2/Her2 ELISA Kit



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Overview

Quantity:	96 tests
Target:	ErbB2/Her2
Reactivity:	Human
Method Type:	Competition ELISA
Detection Range:	15.6-1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Brand:	BioAssay™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	96-well plate pre-coated with anti-ErbB-2, Human Lyophilized recombinant ErbB-2, Human standard, 10 ng/tube, 2Ea Avidin-Biotin-Peroxidase Complex (ABC), 130 µL (1:100 dilution) Sample diluent buffer, 30 mL Antibody diluent buffer, 10 mL ABC diluent buffer, 10 mL TMB color developing agent, 10 mL

Product Details

TMB stop solution, 10 mL

Target Details

Target:	ErbB2/Her2
Alternative Name:	ErbB-2 (ErbB2/Her2 Products)
Gene ID:	2064
UniProt:	P04626
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Skeletal Muscle Fiber Development

Application Details

Plate:	Pre-coated
Protocol:	Sandwich ELISA quantitative detection kit for Human ErbB-2 in cell culture supernates, serum, plasma (heparin, EDTA) and tissue homogenates.HER2/neu (also known as ErbB-2) stands for "Human Epidermal growth factor Receptor 2" and is a protein giving higher aggressiveness in breast cancers. It is a member of the ErbB protein family, more commonly known as the epidermal growth factor receptor family. HER2/neu has also been designated as CD340 (cluster of differentiation 340) and p185. It is encoded by the ERBB2 gene.HER2 is a cell membrane surface-bound receptor tyrosine kinase and is normally involved in the signal transduction pathways leading to cell growth and differentiation. It is encoded within the genome by HER2/neu, a known proto-oncogene. HER2 is thought to be an orphan receptor, with none of the EGF family of ligands able to activate it. However, ErbB receptors dimerise on ligand binding, and HER2 is the preferential dimerisation partner of other members of the ErbB family. ¹ The HER2 gene is a proto-oncogene located at the long arm of human chromosome 17(17q21-q22) ² .
Restrictions:	For Research Use only

Handling

Storage:	4 °C/-20 °C
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