

Human ErbB2 ELISA Kit | ErbB2 elisa kit

ErbB2 Human ELISA Kit

CATALOG # AAA58887	REACTIVITY Human	APPLICATIONS ELISA
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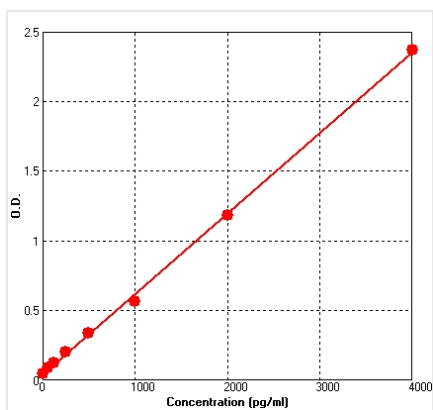
PRODUCT SYNONYMS

ErbB2; ErbB2 Human ELISA Kit; Human ErbB2; ErbB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 10pg/ml
Applicable Applications for ErbB2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ErbB2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ErbB-2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ErbB-2 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ErbB-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ErbB-2 can be calculated. Background: ErbB-2 also known as HER2 (Human Epidermal Growth Factor Receptor 2), Neu, CD340 or p185, is a 185-kD glycoprotein with tyrosine kinase activity, and it is a member of the epidermal growth factor receptor (EGFR/ErbB) family. ErbB-2 is encoded by ERBB2, a known proto-oncogene located at the long arm of human chromosome 17(17q21-q22). ErbB-2 was named for its similarity to ERBB (avian erythroblastosis oncogene B). The ErbB family is composed of four plasma membrane-bound receptor tyrosine kinases. Unlike the other family members, ErbB-2 is considered to be an orphan receptor as it has no known ligand. Overexpression of ERBB2 and ERBB3 has been implicated in the neoplastic transformation of prostate cancer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6857751
NCBI GeneID	2064
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3
Molecular Weight	137,910 Da
NCBI Official Full Name	ERBB2
NCBI Official Synonym Full Names	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2
NCBI Official Symbol	ERBB2
NCBI Official Synonym Symbols	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
NCBI Protein Information	receptor tyrosine-protein kinase erbB-2; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; neuro/glioblastoma derived oncogene homolog; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog
UniProt Protein Name	Receptor tyrosine-protein kinase erbB-2
UniProt Gene Name	ERBB2
UniProt Synonym Gene Names	HER2; MLN19; NEU; NGL; MLN 19
UniProt Entry Name	ERBB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.