

Human ErbB-2 ELISA Kit | ERBB2 elisa kit

Human ErbB-2 PicoKine ELISA Kit

CATALOG #
AAA45223

REACTIVITY
Human

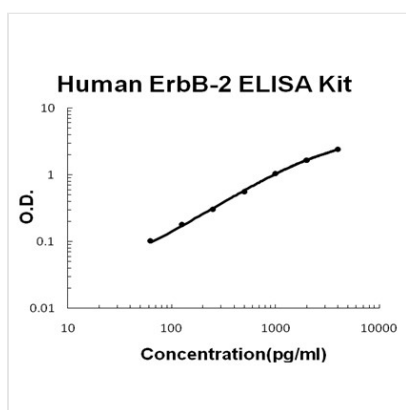
PRODUCT SYNONYMS

ErbB-2; Human ErbB-2 PicoKine ELISA Kit; Receptor tyrosine-protein kinase erbB-2; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2; c erb B2; C erbB 2; CD340; CD340 antigen; Cerb B2/neu protein; CerbB2; Erb B2; erbb2; HER 2; HER 2/neu; HER2; Her2/neu; Herstatin; Metastatic lymph node gene 19 protein; MLN 19; MLN19; NEU; NEU Proto Oncogene; Neuro Glioblastoma Derived Oncogene Homolog; Neuroblastoma/glioblastoma derived oncogene homolog; NGL; p185 ErbB2; p185erbB2; Proto oncogene c ErbB 2; Proto oncogene Neu; Receptor protein tyrosine kinase ErbB2 precursor; Receptor tyrosine protein kinase erbB 2; TKR1; Tyrosine kinase type cell surface receptor HER2; v erb b2 erythroblastic leukemia viral oncogene homolog 2 neuro/glioblastoma derived oncogene homolog (avian); Verb b2 erythroblastic leukemia viral oncogene homolog 2 neuro/glioblastoma derived oncogene homolog; ERBB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human ErbB-2
Sequence Length	1255
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and tissue homogenates
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human ErbB-2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ERBB2 elisa kit	Principle of the assay: human ErbB-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for ErbB-2 has been precoated onto 96-well plates. Standards(NSO,T23 - T652) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ErbB-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human ErbB-2 amount of sample captured in plate. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119533
NCBI GeneID	2064
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3; X5D2V5
Molecular Weight	97,253 Da
NCBI Official Full Name	Receptor tyrosine-protein kinase erbB-2
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 avian erythroblastic leukemia viral oncoprotein 2; 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.