

Human Epidermal Growth Factor Receptor 2 Extracellular Domain ELISA Kit | HER 2 ECD elisa kit

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CATALOG # AAA16347	REACTIVITY Human
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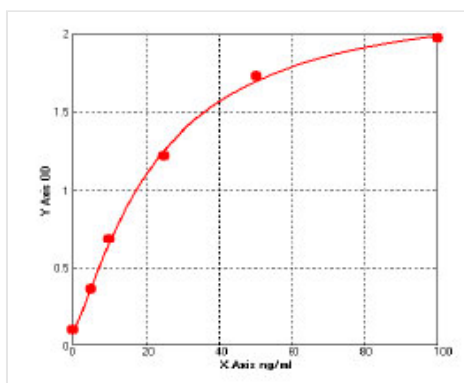
PRODUCT SYNONYMS

Epidermal Growth Factor Receptor 2 Extracellular Domain; Human Epidermal Growth Factor Receptor 2 Extracellular Domain ELISA Kit; HER 2 ECD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EGFR2ED. No significant cross-reactivity or interference between EGFR2ED and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EGFR2ED and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HER 2 ECD elisa kit	Principle of the Assay: EGFR2ED ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for EGFR2ED. Standards or samples are then added to the microtiter plate wells and EGFR2ED if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of EGFR2ED present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for EGFR2ED are added to each well to "sandwich" the EGFR2ED immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain EGFR2ED and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGFR2ED concentration in each sample is interpolated from this standard curve. Intended Uses: This EGFR2ED ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human EGFR2ED. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792096
NCBI GeneID	2064
NCBI Accession #	NP_004439.2
NCBI GenBank Nucleotide #	NM_004448.3
Molecular Weight	97,253 Da
NCBI Official Full Name	receptor tyrosine-protein kinase erbB-2 isoform a
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.