

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

Chicken Epidermal Growth Factor Receptor 2 Extracellular Domain ELISA Kit

CATALOG #
AAA88262

REACTIVITY
Chicken

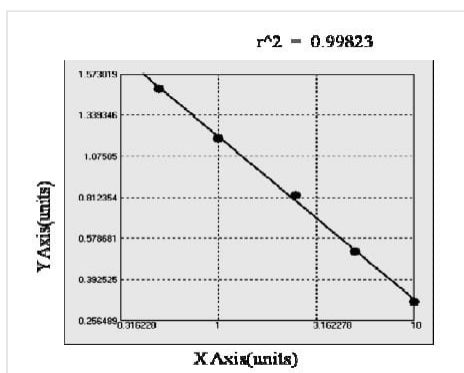
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This HER-2 ECD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken HER-2 ECD. This ELISA kit for research use only, not for therapeutic applications!
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: HER-2 ECD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HER-2 ECD antibody and an HER-2 ECD-HRP conjugate. The assay sample and buffer are incubated together with HER-2 ECD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HER-2 ECD concentration since HER-2 ECD from samples and HER-2 ECD-HRP conjugate compete for the anti-HER-2 ECD antibody binding site. Since the number of sites is limited, as more sites are occupied by HER-2 ECD from the sample, fewer sites are left to bind HER-2 ECD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HER-2 ECD concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HER-2
ECD elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792096
NCBI GeneID	2064
NCBI Accession #	NP_004439
NCBI GenBank Nucleotide #	NM_004448.2
UniProt Accession #	P04626; Q14256; Q6LDV1; Q9UMK4; B2RZG3; B4DHN3
Molecular Weight	137,910 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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/her-2-ecd-chicken-elisa-kits/epidermal-growth-factor-receptor-2-extracellular-domain/88262>