

Canine Epidermal growth factor receptor ELISA Kit | EGFR elisa kit

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CATALOG #
AAA90050

REACTIVITY
Canine

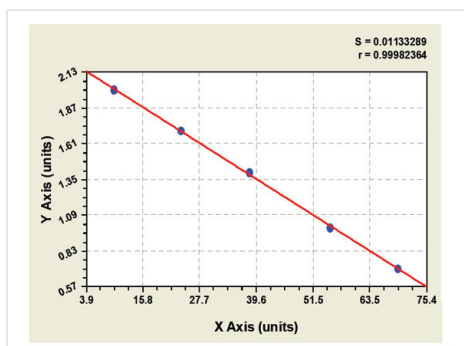
PRODUCT SYNONYMS

Epidermal growth factor receptor; Canine Epidermal growth factor receptor ELISA Kit; EGFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 EGFR elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This EGFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine EGFR. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY EGFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EGFR antibody and an EGFR-HRP conjugate. The assay sample and buffer are incubated together with EGFR-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 EGFR concentration since EGFR from samples and EGFR-HRP conjugate compete for the anti-EGFR antibody binding site. Since the number of sites is limited, as more sites are occupied by EGFR from the sample, fewer sites are left to bind EGFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGFR concentration in each sample is interpolated from this standard curve.

Product Categories/Family for EGFR elisa kit	Cancer
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219.2
NCBI GenBank Nucleotide #	NM_005228.3
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7; Q147T7; Q2TTR7; Q504U8; Q59FL8; Q68GS6; Q75MF2; Q8WZA5; Q9H3C8
Molecular Weight	134,277 Da
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61
NCBI Protein Information	epidermal growth factor receptor; proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1
UniProt Entry Name	EGFR_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.

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Online datasheet: <https://stage.aaabiotech.com/egfr-canine-elisa-kits/epidermal-growth-factor-receptor/90050>