

GuineaPig Epidermal growth factor ELISA Kit | EGF elisa kit

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CATALOG #
AAA16271

REACTIVITY
GuineaPig

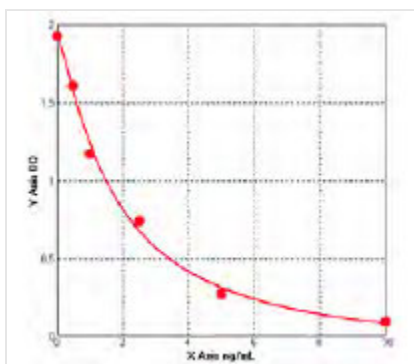
PRODUCT SYNONYMS

Epidermal growth factor; Guinea Pig Epidermal growth factor ELISA Kit; Epidermal growth factor (Guinea Pig); EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Specificity	This assay has high sensitivity and excellent specificity for detection of EGF. No significant cross-reactivity or interference between EGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EGF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EGF elisa kit	Intended Uses: This EGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea PigEGF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: EGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EGF antibody and an EGF-HRP conjugate. The assay sample and buffer are incubated together with EGF-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 EGF concentration since EGF from samples and EGF-HRP conjugate compete for the anti-EGF antibody binding site. Since the number of sites is limited, as more sites are occupied by EGF from the sample, fewer sites are left to bind EGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EGF concentration in each sample is interpolated from this standard curve.
Product Categories/Family for EGF elisa kit	Guinea Pig ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	688072
NCBI Official Full Name	epidermal growth factor

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/egf-pig-elisa-kits/epidermal-growth-factor/16271>