

Chicken Heparin-binding Epidermal Growth Factor like-Growth Factor ELISA Kit | HB-EGF elisa kit

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CATALOG # AAA91616	REACTIVITY Chicken
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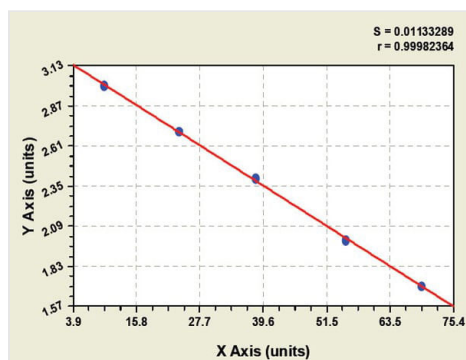
PRODUCT SYNONYMS

Heparin-binding Epidermal Growth Factor like-Growth Factor; Chicken Heparin-binding Epidermal Growth Factor like-Growth Factor ELISA Kit; HB-EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This HB-EGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken HB-EGF. 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 HB-EGF elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4761593
NCBI GeneID	395654
UniProt Accession #	Q9W7C5
Molecular Weight	22,541 Da
NCBI Official Full Name	heparin-binding EGF-like growth factor
NCBI Official Synonym Full Names	heparin-binding EGF-like growth factor
NCBI Official Symbol	HBEGF
NCBI Official Synonym Symbols	HB-EGF
NCBI Protein Information	proheparin-binding EGF-like growth factor
UniProt Protein Name	Proheparin-binding EGF-like growth factor
UniProt Gene Name	HBEGF
UniProt Synonym Gene Names	HEGFL; HB-EGF; HBEGF
UniProt Entry Name	HBEGF_CHICK

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/hb-egf-chicken-elisa-kits/heparin-binding-epidermal-growth-factor-like-growth-factor/91616>