

Rat heparin-binding epidermal growth factor-like growth factor ELISA Kit | HB-EGF elisa kit

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CATALOG #
AAA82353

REACTIVITY
Rat

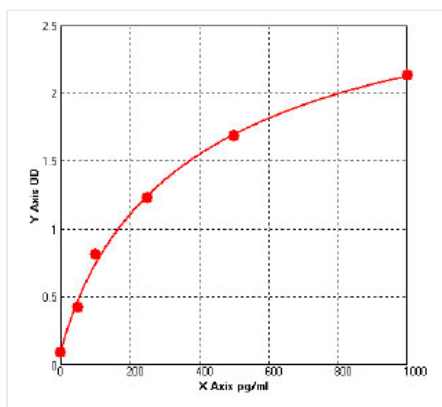
PRODUCT SYNONYMS

heparin-binding epidermal growth factor-like growth factor; Rat heparin-binding epidermal growth factor-like growth factor ELISA Kit; heparin-binding epidermal growth factor-like growth factor (Rat); HB-EGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HBEGF. No significant cross-reactivity or interference between HBEGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HBEGF and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
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: HBEGF ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HBEGF. Standards or samples are then added to the microtiter plate wells and HBEGF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HBEGF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HBEGF are added to each well to "sandwich" the HBEGF 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 HBEGF 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 HBEGF concentration in each sample is interpolated from this standard curve. Intended Uses: This HBEGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HBEGF. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for HB-EGF elisa kit	Rat ELISA Kit

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
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-rat-elisa-kits/heparin-binding-epidermal-growth-factor-like-growth-factor/82353>