

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

Mouse Heparin-binding Epidermal Growth Factor like-Growth Factor ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA83247</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

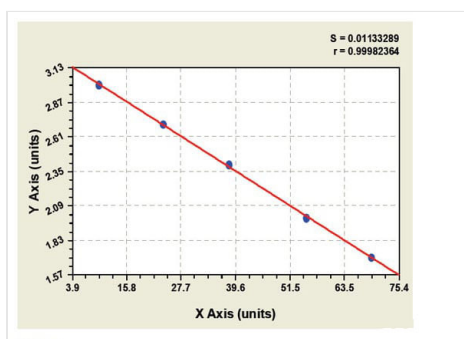
## PRODUCT SYNONYMS

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

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                             |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                                 |
| Intended Uses           | This HBEGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HBEGF. 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:** HBEGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HBEGF antibody and an HBEGF-HRP conjugate. The assay sample and buffer are incubated together with HBEGF-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 HBEGF concentration since HBEGF from samples and HBEGF-HRP conjugate compete for the anti-HBEGF antibody binding site. Since the number of sites is limited, as more sites are occupied by HBEGF from the sample, fewer sites are left to bind HBEGF-HRP conjugate. 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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI GI #                        | 4761593                                   |
| NCBI GeneID                      | 395654                                    |
| 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                | <b>HBEGF</b>                              |
| 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.

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

Online datasheet: <https://stage.aaabiotech.com/hb-egf-mouse-elisa-kits/heparin-binding-epidermal-growth-factor-like-growth-factor/83247>