

Human Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) ELISA Kit | HBEGF elisa kit

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CATALOG #
AAA184733

REACTIVITY
Human

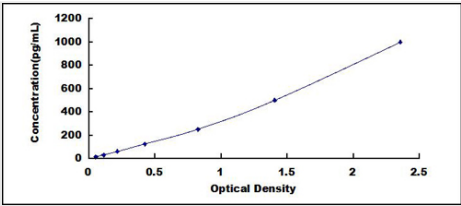
PRODUCT SYNONYMS

Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF); Human Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) ELISA Kit; HB-EGF; DTR; DTS; DTSF; HEGFL; Diphtheria Toxin Receptor; Proheparin-binding EGF-like growth factor; Diphtheria toxin receptor; HBEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF). No significant cross-reactivity or interference between Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) and analogues was observed.
Sequence Length	208
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HBEGF elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Heparin Binding Epidermal Growth Factor Like Growth Factor (HBEGF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1236400
NCBI GeneID	15200
UniProt Accession #	Q06186
Molecular Weight	22,808 Da
NCBI Official Full Name	heparin-binding epidermal growth factor-like growth factor
NCBI Official Synonym Full Names	heparin-binding EGF-like growth factor
NCBI Official Symbol	Hbegf
NCBI Official Synonym Symbols	Dtr; Dts; Hegfl; AW047313
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	Dtr; Hegfl; HB-EGF; HBEGF

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.