

Human HBEGF ELISA Kit | HBEGF elisa kit

Human HBEGF PicoKine ELISA Kit

CATALOG #
AAA45554

REACTIVITY
Human

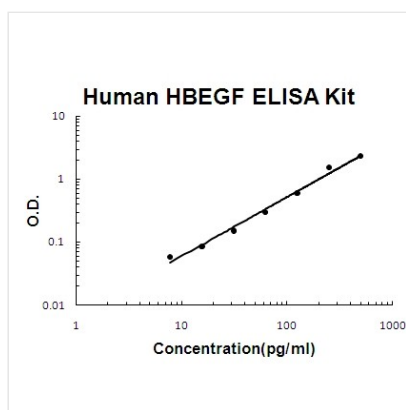
PRODUCT SYNONYMS

HBEGF; Human HBEGF PicoKine ELISA Kit; Proheparin-binding EGF-like growth factor; heparin-binding EGF-like growth factor; Diphtheria toxin receptor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor); DT R; DT-R; DTR; DTS; DTSF; HB-EGF; HBEGF_HUMAN; HEGFL; Heparin binding EGF like growth factor; Heparin binding epidermal growth factor; Heparin binding epidermal growth factor like growth factor; Heparin-binding EGF-like growth factor; Proheparin binding EGF like growth factor; HBEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human HBEGF
Sequence Length	208
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human HBEGF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for HBEGF elisa kit	Principle of the assay: human HBEGF ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for HBEGF has been precoated onto 96-well plates. Standards(sf21,D63-L148) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for HBEGF is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human HBEGF amount of sample captured in plate. Background: HBEGF(Heparin-binding EGF-like growth factor), also known as HEGFL or DTR, is a member of the EGF family of proteins that in humans is encoded by the HBEGF gene. The HBEGF gene is assigned to chromosome 5, thus confirming the assignment of the gene on the basis of its role in relation to diphtheria toxin susceptibility. HB-EGF is an 87 amino acid glycoprotein which displays highly regulated gene expression. It has been shown to play a role in wound healing, cardiac hypertrophy and heart development and function. HB-EGF binding and activation of EGF receptors plays a critical role during cardiac valve tissue development and the maintenance of normal heart function in adults.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	544477
NCBI GeneID	1839
UniProt Accession #	Q99075; B2R821
Molecular Weight	23,067 Da
NCBI Official Full Name	Proheparin-binding EGF-like growth factor
NCBI Official Synonym Full Names	heparin-binding EGF-like growth factor
NCBI Official Symbol	HBEGF
NCBI Official Synonym Symbols	DTR; DTS; DTSF; HEGFL
NCBI Protein Information	proheparin-binding EGF-like growth factor; heparin-binding epidermal growth factor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)
UniProt Protein Name	Proheparin-binding EGF-like growth factor
UniProt Gene Name	HBEGF
UniProt Synonym Gene Names	DTR; DTS; HEGFL; HB-EGF; HBEGF; DT-R
UniProt Entry Name	HBEGF_HUMAN

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.