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Datasheet for KOA0456

Human HBEGF ELISA Kit

Overview

Description:	Human HBEGF AccuSignal ELISA Kit - KOA0456
Item No.:	KOA0456
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

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.
Synonyms:	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, 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
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	HBEGF
Reactivity:	Human

Immunogen:	Expression system for standard: sf21; Immunogen sequence: D63-L148
Purity/Specificity:	Natural and recombinant human HBEGF. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q99075 • NCBI - NP_001936.1 • GeneID - 1839 • KOA0456 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human HBEGF standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human HBEGF standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

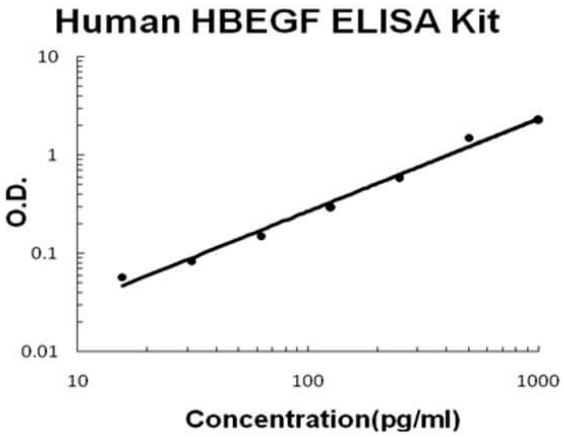
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human HBEGF AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

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