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HBEGF ELISA Kit





Overview

Quantity:	1 kit
Target:	HBEGF
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	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_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
	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.

Gene Name: HBEGF

Production: Natural and recombinant human HBEGF. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: D63-L148

Target Details

Target:	HBEGF
Alternative Name:	HBEGF (HBEGF Products)
Gene ID:	1839
NCBI Accession:	NP_001936
UniProt:	Q99075
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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. Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Application Details

Restrictions:

For Research Use only

Handling

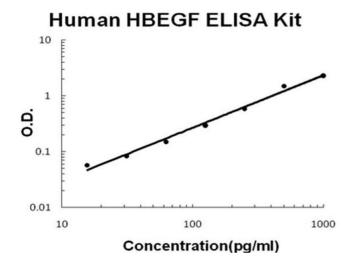
Storage:

RT,4 °C,-20 °C

Storage Comment:

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.

Images



ELISA

Image 1. Human HBEGF Accusignal ELISA Kit Human HBEGF AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.