

Datasheet for KOA0840**Human Epiregulin ELISA Kit****Overview**

Description:	Human Epiregulin AccuSignal ELISA Kit - KOA0840
Item No.:	KOA0840
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	Epiregulin (EPR) is a protein that in humans is encoded by the EREG gene. It is a member of the epidermal growth factor family. Epiregulin can function as a ligand of epidermal growth factor receptor (EGFR), as well as a ligand of most members of the ERBB (v-erb-b2 oncogene homolog) family of tyrosine-kinase receptors. The secondary structure at the C-terminus epiregulin is different from other epidermal growth factor family ligands because of the lack of hydrogen bonds. The structural difference at the C-terminus may provide an explanation for the reduced binding affinity of epiregulin to the ERBB receptors.
Synonyms:	Epiregulin, EPR, ER, Ereg, EREG_HUMAN, Proepiregulin
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	EREG
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: V60-L108
Purity/Specificity:	Natural and recombinant human Epiregulin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O14944

- [NCBI - NP_001423.1](#)
- [GeneID - 2069](#)
- [KOA0840 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human Epregrulin 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 Epregrulin 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.
ELISA:	156pg/ml-10,000pg/ml
Other:	DOE: 2-8° C - 05/15/2020 -20° C - 11/15/2020

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

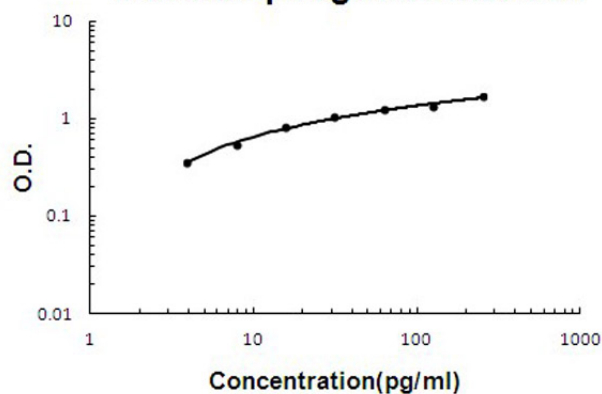
Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C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

Images

Human Epiregulin ELISA Kit

ELISA

Human Epiregulin ELISA Kit standard curve.



Disclaimer

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