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Datasheet for KOA0584

Rat EGF ELISA Kit

Overview

Description:	Rat EGF AccuSignal ELISA Kit - KOA0584
Item No.:	KOA0584
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	7.8 pg/ml - 500 pg/ml

Product Details

Background:	Epidermal growth factor(EGF) is a growth factor that plays an important role in the regulation of cell growth, proliferation and differentiation by binding to its receptor EGFR. EGF locus is mapped to 4q21-4qter. Human EGF is a 6045-Da protein with 53 amino acid residues and three intramolecular disulfide bones. EGF results in cellular proliferation, differentiation, and survival while plays a physiological role in the maintenance of oro-esophageal and gastric tissue integrity.
Synonyms:	AI790464, Beta urogastrone, Epidermal growth factor, HOMG4, OTTHUMP00000219721, OTTHUMP00000219722, Pro epidermal growth factor, Pro epidermal growth factor precursor (EGF), URG, Urogastrone
Detection Kit Type:	ELISA Kit
Detection Range:	7.8 pg/ml - 500 pg/ml
Sensitivity:	<1 pg/ml

Target Details

Gene Name:	EGF
Reactivity:	Rat
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: N974-R1026
Purity/Specificity:	Natural and recombinant rat EGF. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P07522 • NCBI - NP_036974.1 • GeneID - 25313 • KOA0584 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.3pg/ml, 15.6pg/ml, 7.8pg/ml rat EGF 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 rat cell culture supernates, serum, plasma(heparin, EDTA), tissue homogenates or urine to each empty well. It is recommended that each rat EGF 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.

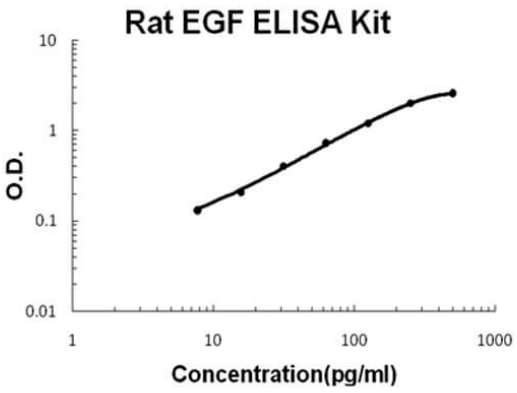
Formulation

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
Rat EGF AccuSignal ELISA Kit standard curve. Assay Range: 7.8pg/ml-500pg/ml. Sensitivity: <1pg/ml.

Disclaimer

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