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Datasheet for KOA0145

Human ANG ELISA Kit

Overview

Description:	Human ANG AccuSignal ELISA Kit - KOA0145
Item No.:	KOA0145
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	78 pg/ml - 5000 pg/ml

Product Details

Background:	Angiogenin(Ang) also known as ribonuclease 5 is a protein that in humans is encoded by the ANG gene. Angiogenin is a potent stimulator of new blood vessel formation. It hydrolyzes cellular tRNAs resulting in decreased protein synthesis and is similar to pancreatic ribonuclease. Hooper et al.(2003) reviewed the evidence that angiogenins are involved in host defense and noted that inflammation provokes upregulated ANG mRNA expression in liver and an increase in detectable ANG protein in serum. Weremowicz et al.(1989, 1990) assigned the human angiogenin gene to chromosome 14q11.
Synonyms:	ALS9, ANG, ANG 1, ANG I, ANG1, ANGI, Angiogenin ribonuclease RNase A family 5, Epididymis luminal protein 168, HEL168, MGC22466, MGC71966, Ribonuclease 5, Ribonuclease RNase A Family 5, Ribonuclease5, RNASE 5, RNASE4, RNASE5
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<12 pg/ml

Target Details

Gene Name:	ANG
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: Q25-P147
Purity/Specificity:	Natural and recombinant human ANG. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P03950 • NCBI - NP_001091046.1 • GeneID - 283 • KOA0145 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml, 78pg/ml human ANG 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 ANG 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.

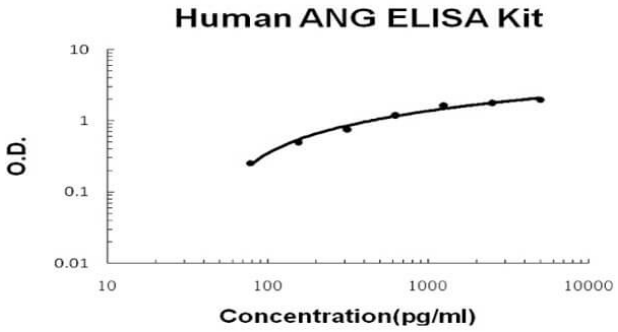
Formulation

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 ANG AccuSignal ELISA Kit standard curve. Assay Range: 78pg/ml-5000pg/ml. Sensitivity: <12pg/ml.

Disclaimer

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