

Datasheet for ABIN6720265

ANG ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	ANG
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

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:	<p>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</p> <p>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</p>

Product Details

an increase in detectable ANG protein in serum. Weremowicz et al.(1989, 1990) assigned the human angiogenin gene to chromosome 14q11.

Gene Name: ANG

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

Standard: Expression system for standard: E.coli, Immunogen sequence: Q25-P147

Target Details

Target: ANG

Alternative Name: ANG ([ANG Products](#))

Gene ID: 283

NCBI Accession: [NP_001091046](#)

UniProt: [P03950](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 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 ANG standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 78pg/mL-5000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

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

Handling

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

