antibodies .- online.com







Angiopoietin 2 ELISA Kit



Image



Overview

Quantity:	1 kit
Target:	Angiopoietin 2 (ANGPT2)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
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Sample Type:	Breast Milk, Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: AGPT2, ANG 2, ANG-2, ANG2, Angiopoietin 2a, Angiopoietin 2B, Angiopoietin-2,
	Angiopoietin2, ANGP2_HUMAN, ANGPT 2, Angpt2, Tie2 ligand
	Background: Angiopoietin 1 and Angiopoietin 2 are important for development of the
	endothelium, by regulating tyrosine phosphorylation of the membrane receptor Tie 2.
	Angiopoietin 2 is only 60 % homologous with Angiopoietin 1. Angiopoietin-2 is a naturally
	occurring antagonist of angiopoietin-1 that competes for binding to the TIE2 receptor and
	blocks ANGPT1-induced TIE2 autophosphorylation. Angiopoietin 1 binding to Tie 2 causes
	phosphorylation of the receptor. Angiopoietin 2 competes for this binding, and thus blocks

receptor phosphorylation. Angiopoietin 2 expression occurs at sites of vascular remodelling: dorsal aorta and major aortic branches, ovary, placenta and uterus.

Gene Name: ANGPT2

Production: Natural and recombinant human Angiopoietin-2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Y19-F496

Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	Angiopoietin-2 (ANGPT2 Products)
Gene ID:	285
NCBI Accession:	NP_001112359
UniProt:	015123
Pathways:	RTK Signaling

Application Details

Applicat	ion Notes:	
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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Angiopoietin-2 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, plasma(heparin, EDTA), saliva or human milk to each empty well. It is recommended that each human Angiopoietin-2 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

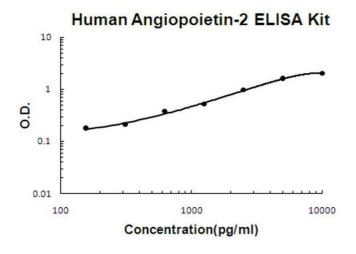
Storage: RT,4 °C,-20 °C

Handling

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 Angiopoietin-2 Accusignal ELISA Kit Human Angiopoietin-2 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.