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Datasheet for ABIN6719722 ANGPTL3 ELISA Kit



Overview

Quantity:	1 kit
Target:	ANGPTL3
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 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:	Synonyms: ANG 5, ANG-5, ANG5, Angiopoietin 5, Angiopoietin like 3, Angiopoietin related protein 3, Angiopoietin-5, Angiopoietin-like protein 3, Angiopoietin-related protein 3, ANGL3_HUMAN, ANGPT5, ANGPTL3, ANL3, FHBL2, OTTHUMP00000010719, UNQ153/PR0179 Background: ANGPTL3, also known as Angiopoietin-like 3 or HYPLI, is a protein that in humans is encoded by the ANGPTL3 gene. It is mapped to 1p31.3. The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the
	liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-

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terminal coiled-coil domain, and the C-terminal fibrinogen (FBN)-like domain. ANGPTL3 also		
acts as dual inhibitor of lipoprotein lipase (LPL) and endothelial lipase (EL), and increases		
plasma triglyceride and HDL cholesterol in rodents. It can inhibit endothelial lipase to catalyze		
HDL-phospholipid and increase HDL-PL levels.		
Gene Name: ANGPTL3		
Production: Natural and recombinant human ANGPTL3. There is no detectable cross-reactive		
with other relevant proteins.		
Standard: Expression system for standard: sf21, Immunogen sequence: S17-E460		

Target Details

Target:	ANGPTL3
Alternative Name:	ANGPTL3 (ANGPTL3 Products)
Gene ID:	27329
NCBI Accession:	NP_055310
UniProt:	Q9Y5C1

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 20,000pg/mL, 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL,
	625pg/mL, 312pg/mL human ANGPTL3 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 ANGPTL3 standard solution and each
	sample be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 312pg/mL-20,000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C

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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.

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