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SCGB1A1 ELISA Kit





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Quantity:	1 kit
Target:	SCGB1A1
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	
Sample Type:	Breast Milk, Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Urine	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Characteristics:	Synonyms: blastokinin, CC10, CC16, CCPBP, CCSP, Clara cell phospholipid binding protein,	
	Clara cell phospholipid-binding protein, clara cell secretory protein, Clara cell specific 10 kD	
	protein, Clara Cells 10 kDa Secretory Protein, OTTHUMP00000236107, SCGB1A1, Secretoglobin	
	family 1A member 1, Secretoglobin, family 1A, member 1 (uteroglobin), UG, UGB, UP-1, UP1,	
	Urinary Protein 1, Urine Protein 1, UTER_HUMAN, Uteroglobin, Utg	

Background: SCGB1A1(secretoglobin family 1A member 1) also known as Uteroglobin is a protein that in humans is encoded by the SCGB1A1 gene. SCGB1A1 is the founding member of the secretoglobin family of small, secreted, disulfide-bridged dimeric proteins found only in

mammals. This protein is specifically expressed in Clara cells in the lungs. Numerous studies demonstrated that UG is a multifunctional protein with antiinflammatory/ immunomodulatory properties. It inhibits soluble phospholipase A(2) activity and binds and perhaps sequesters hydrophobic ligands such as progesterone, retinols, polychlorinated biphenyls, phospholipids, and prostaglandins. In addition to its antiinflammatory activities, UG manifests antichemotactic, antiallergic, antitumorigenic, and embryonic growth-stimulatory activities.

Gene Name: SCGB1A1

Production: Natural and recombinant human SCGB1A1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: E22-N91

Target Details

Target:	SCGB1A1
Alternative Name:	SCGB1A1 - uteroglobin (SCGB1A1 Products)
Gene ID:	7356
NCBI Accession:	NP_003348
UniProt:	P11684

Application Details

Α	pp	lication	Notes:

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 SCGB1A1 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, urine or human milk to each empty well. It is recommended that each human SCGB1A1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

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

Sample Volume: 100 µL

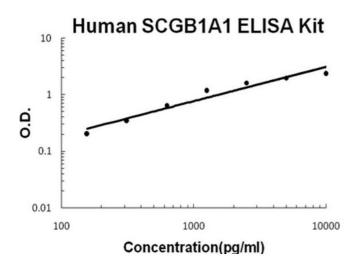
Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
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 SCGB1A1/uteroglobin Accusignal ELISA Kit Human SCGB1A1/uteroglobin AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.