

Datasheet for KOA0558**Human SCGB1A1 - uteroglobin ELISA Kit****Overview**

Description:	Human SCGB1A1/uteroglobin AccuSignal ELISA Kit - KOA0558
Item No.:	KOA0558
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

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 anti-inflammatory/ 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 anti-inflammatory activities, UG manifests antichemotactic, antiallergic, antitumorigenic, and embryonic growth-stimulatory activities.
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
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	SCGB1A1
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: E22-N91
Purity/Specificity:	Natural and recombinant human SCGB1A1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P11684 • NCBI - NP_003348.1 • GeneID - 7356 • KOA0558 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml 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, 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

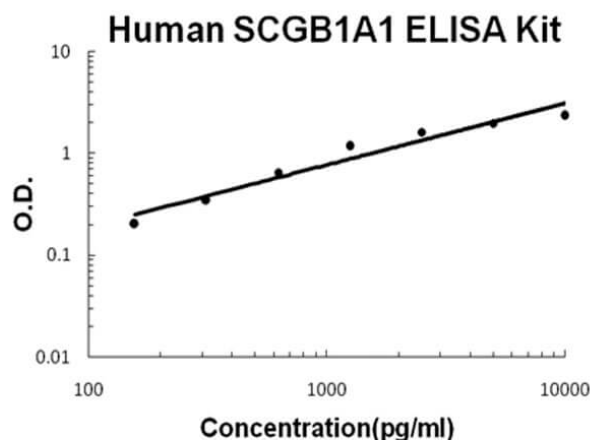
Formulation

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 SCGB1A1/uteroglobin AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml.
Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.