

Human SCGB1A1/uteroglobin ELISA Kit | SCGB1A1 elisa kit

Human SCGB1A1/uteroglobin PicoKine ELISA Kit

CATALOG #
AAA45579

REACTIVITY
Human

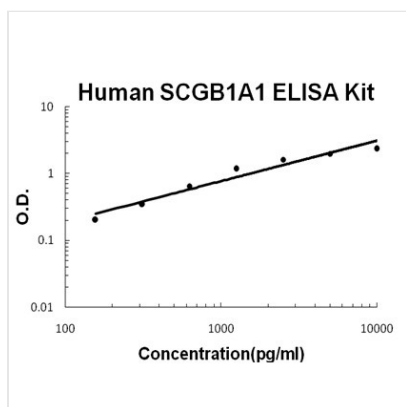
PRODUCT SYNONYMS

SCGB1A1/uteroglobin; Human SCGB1A1/uteroglobin PicoKine ELISA Kit; Uteroglobin; secretoglobin; family 1A; member 1 (uteroglobin); 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; UG; UGB; UP-1; UP1; Urinary Protein 1; Urine Protein 1; UTER_HUMAN; Utg; SCGB1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human SCGB1A1
Sequence Length	91
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human SCGB1A1/uteroglobin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SCGB1A1 elisa kit	Principle of the assay: human SCGB1A1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for SCGB1A1 has been precoated onto 96-well plates. Standards(E.coli, E22-N91) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SCGB1A1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human SCGB1A1 amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112672
NCBI GeneID	7356
UniProt Accession #	P11684; Q6FHH3; Q9UCM2; Q9UCM4; B2R5F2
Molecular Weight	9,994 Da
NCBI Official Full Name	Uteroglobin
NCBI Official Synonym Full Names	secretoglobin, family 1A, member 1 (uteroglobin)
NCBI Official Symbol	SCGB1A1
NCBI Official Synonym Symbols	UGB; UP1; CC10; CC16; CCSP; UP-1; CCPBP
NCBI Protein Information	uteroglobin; blastokinin; urine protein 1; urinary protein 1; clara cells 10 kDa secretory protein; clara cell phospholipid-binding protein
UniProt Protein Name	Uteroglobin
UniProt Gene Name	SCGB1A1
UniProt Synonym Gene Names	CC10; CCSP; UGB; CCPBP; CC10; UP-1; UP1; Urine protein 1
UniProt Entry Name	UTER_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.