

Rat SCGB1A1/uteroglobin ELISA Kit | SCGB1A1 elisa kit

Rat SCGB1A1/uteroglobin PicoKine Fast ELISA Kit

CATALOG #
AAA125375

REACTIVITY
Rat

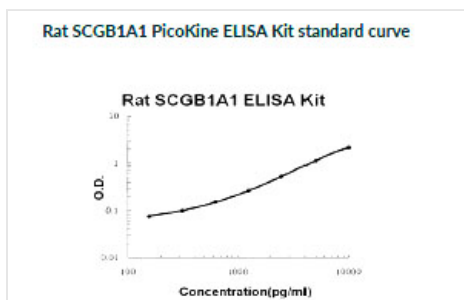
PRODUCT SYNONYMS

SCGB1A1/uteroglobin; Rat SCGB1A1/uteroglobin PicoKine Fast ELISA Kit; Rat SCGB1A1; secretoglobin family 1A member 1 ; Uteroglobin; Clara cell phospholipid-binding protein; CCPBP; Clara cells 10 kDa secretory protein; CC10; PCB-binding protein; Secretoglobin family 1A member 1; Scgb1a1; Cc10; Ugb; Utg; SCGB1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Scgb1a1
Sequence Length	96
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Detection Range	156pg/ml-10000pg/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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCGB1A1 elisa kit	Principle of the Assay: The Picokine™ Rat Scgb1a1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Scgb1a1 with a 96-well strip plate that is pre-coated with antibody specific for Scgb1a1. The detection antibody is a biotinylated antibody specific for Scgb1a1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Scgb1a1 with immunogen: Expression system for standard: E.coli, Immunogen sequence: S20-V96. The kit is analytically validated with ready to use reagents. To measure Rat Scgb1a1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Scgb1a1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Scgb1a1 in the sample.!!Background/Introduction: 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 #	6981694
NCBI GeneID	25575
NCBI Accession #	NP_037183.1
NCBI GenBank Nucleotide #	NP_037183.1
UniProt Accession #	P17559
NCBI Official Full Name	uteroglobin
NCBI Official Synonym Full Names	secretoglobin family 1A member 1
NCBI Official Symbol	Scgb1a1
NCBI Official Synonym Symbols	Ugb; CC10; CCSP; PCBB
NCBI Protein Information	uteroglobin
UniProt Protein Name	Uteroglobin
UniProt Gene Name	Scgb1a1
UniProt Synonym Gene Names	Cc10; Ugb; Utg; CCPBP; CC10

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.