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SCGB1A1 ELISA Kit



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| Quantity: | 96 tests | |
|--------------------------|--|--|
| Target: | SCGB1A1 | |
| Binding Specificity: | AA 22-96 | |
| Reactivity: | Mouse | |
| Method Type: | Sandwich ELISA | |
| Detection Range: | 4.7 pg/mL - 300 pg/mL | |
| Minimum Detection Limit: | 4.7 pg/mL | |
| Application: | ELISA | |
| Product Details | | |
| Purpose: | Sandwich High Sensitivity ELISA kit for Quantitative Detection of mouse SCGB1A1. 96wells/kit, with removable strips. | |
| Brand: | PicoKine™ | |
| Comple Type: | Call Cultura Supernatant Plaama (FDTA hanarin) Sarum Urina | |

Sample Type: Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine Analytical Method: Quantitative Detection Method: Colorimetric Specificity: Expression system for standard: E.coli, Immunogen sequence: D22-F96 Sensitivity: < 1 pg/mL Components: 96-well plate precoated with antibody

lyophilized recombinant standard

biotinylated antibody (dilution 1:100)

Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)

Sample diluent buffer

Antibody diluent buffer

ABC diluent buffer

TMB color developing agent

TMB stop solution

Adhesive cover

Target Details

| Target: | SCGB1A1 |
|-------------------|---|
| Alternative Name: | Scgb1a1 (SCGB1A1 Products) |
| Background: | Synonyms: Uteroglobin, Clara cell 17 kDa protein, 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 |
| | Tissue Specificity: Clara cells (nonciliated cells of the surface epithelium of the pulmonary |
| | airways). |
| | 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. |
| | Cellular Localisation: Secreted. |
| UniProt: | Q06318 |

Application Details

| Assay Time: | 0.5 h |
|---------------|-----------------------|
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

| Storage: | 4 °C,-20 °C |
|------------------|---|
| Storage Comment: | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.) |
| Expiry Date: | 12 months |