

Human Secretoglobin family 1D member 2 (SCGB1D2) ELISA Kit

Catalog No: #EK7439

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Package Size: #EK7439-1 48T #EK7439-2 96T

Description

Product Name	Human Secretoglobin family 1D member 2 (SCGB1D2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	LIPB; LPHB; lipophilin B lipophilin B (uteroglobin family member); prostatein-like prostatein-like lipophilin B
Accession No.	O95969
Uniprot	O95969
GeneID	10647;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.112 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SCGB1D2 in samples. An antibody specific for SCGB1D2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySCGB1D2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SCGB1D2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SCGB1D2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**LIPB is a member of the lipophilin subfamily, part of the uteroglobin superfamily, and is an ortholog of prostatein, the major secretory glycoprotein of the rat ventral prostate gland. Lipophilin gene products are widely expressed in normal tissues, especially in endocrine-responsive organs. Assuming that human lipophilins are the functional counterparts of prostatein, they may be transcriptionally regulated by steroid hormones, with the ability to bind androgens, other steroids and possibly bind and concentrate estramustine, a chemotherapeutic agent widely used for prostate cancer. Although the gene has been reported to be on chromosome 10, this sequence appears to be from a cluster of genes on chromosome 11 that includes mammaglobin 2.Highest expression was found in skeletal muscle. Expressed as well in thymus, trachea, kidney, steroid responsive tissues and salivary gland.

Note: This product is for in vitro research use only