



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

Product Code	CSB-EL020814HU
Abbreviation	SCGB1D2
Target Name	secretoglobin, family 1D, member 2
Uniprot No.	O95969
Alias	LIPB, LPHB, lipophilin B lipophilin B (uteroglobin family member), prostatein-like prostatein-like lipophilin B
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 ng/mL-2000 ng/mL
Sensitivity	7.81 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Others
Gene Names	SCGB1D2
Tag Info	quantitative
Protein Description	Sandwich

Description	This Human SCGB1D2 ELISA Kit was designed for the quantitative measurement of Human SCGB1D2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 ng/mL-2000 ng/mL and the sensitivity is 7.81 ng/mL.
-------------	--

Target Details	This protein 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.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human SCGB1D2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:5	Average %	89
	Range %	84-93
1:10	Average %	98
	Range %	84-102
1:20	Average %	94
	Range %	90-98
1:40	Average %	103
	Range %	99-110

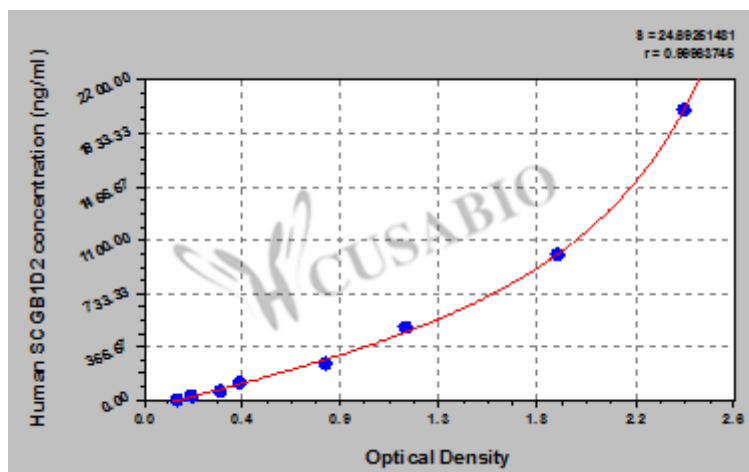
Recovery

The recovery of human SCGB1D2 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	86	80-90
EDTA plasma (n=4)	92	88-97

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
2000	2.436	2.351	2.394	2.233
1000	1.872	1.807	1.840	1.679
500	1.154	1.182	1.168	1.007
250	0.795	0.834	0.815	0.654
125	0.428	0.448	0.438	0.277
62.5	0.362	0.341	0.352	0.191
31.25	0.231	0.217	0.224	0.063
0	0.163	0.159	0.161	

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL020814HU.pdf","filename":"MSDS"}}