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Datasheet for ABIN6719904 **SHBG ELISA Kit**

Overview

Quantity:	1 kit
Target:	SHBG
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.031 nmol/L - 2 nmol/L
Minimum Detection Limit:	0.031 nmol/L
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: ABP, Androgen binding protein, SBP, Sex hormone-binding globulin, Sex steroid binding protein, Sex steroid-binding protein, SHBG, SHBG_ HUMAN, TeBG, Testis specific androgen binding protein, Testis-specific androgen-binding protein, Testosterone binding beta globulin, Testosterone estradiol binding globulin, Testosterone estrogen binding globulin, Testosterone-estradiol-binding globulin, Testosterone-estrogen-binding globulin</p> <p>Background: Sex hormone-binding globulin (SHBG) or sex steroid-binding globulin (SSBG) is a glycoprotein that binds to the two sex hormones: androgen and estrogen. The gene for SHBG is located on chromosome 17 on the short arm between the bands 17p12→<i>p13</i>. <i>And this gene</i></p>

Product Details

encodes a steroid binding protein that was first described as a plasma protein secreted by the liver but is now thought to participate in the regulation of steroid responses. The encoded protein transports androgens and estrogens in the blood, binding each steroid molecule as a dimer formed from identical or nearly identical monomers. Polymorphisms in this gene have been associated with polycystic ovary syndrome and type 2 diabetes mellitus. Alternative splicing results in multiple transcript variants.

Gene Name: SHBG

Production: Natural and recombinant human SHBG. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L30-H402

Target Details

Target: SHBG

Alternative Name: SHBG ([SHBG Products](#))

Gene ID: 6462

NCBI Accession: [NP_001031](#)

UniProt: [P04278](#)

Pathways: [Hormone Transport](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2nmol/L, 1nmol/L, 0.5nmol/L, 0.25nmol/L, 0.125nmol/L, 0.062nmol/L, 0.031nmol/L human SHBG standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum and plasma(heparin, EDTA) to each empty well. It is recommended that each human SHBG standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 0.031nmol/L-2nmol/L

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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