

Human SHBG ELISA Kit | SHBG elisa kit

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CATALOG #
AAA263084

REACTIVITY
Human

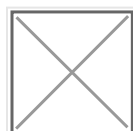
PRODUCT SYNONYMS

SHBG; Human SHBG ELISA Kit; Sex hormone-binding globulin; Sex steroid-binding protein; SBP; Testis-specific androgen-binding protein; ABP; Testosterone-estradiol-binding globulin; TeBG; Testosterone-estrogen-binding globulin; SHBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human SHBG ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human SHBG proteins within the range of 0.031 nmol/L - 2 nmol/L.
Sequence Length	402
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<0.001 nmol/L
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SHBG elisa kit

Principle of the Assay: The Human SHBG ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human SHBG in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human SHBG coated on a 96-well plate. Standards and samples are pipetted into the wells and SHBG present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human SHBG antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of SHBG bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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-p13. And this gene 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #

7382460

NCBI GeneID	6462
NCBI Accession #	NP_001031.2
NCBI GenBank Nucleotide #	NM_001040.4
UniProt Accession #	P04278; P14689; Q16616; Q3MIL0; Q6ISD2; B0FWH4; E9PGW1; F5H5Z8; I3L1N7
Molecular Weight	41,712 Da
NCBI Official Full Name	sex hormone-binding globulin isoform 1
NCBI Official Synonym Full Names	sex hormone binding globulin
NCBI Official Symbol	SHBG
NCBI Official Synonym Symbols	ABP; SBP; TEBG
NCBI Protein Information	sex hormone-binding globulin
UniProt Protein Name	Sex hormone-binding globulin
UniProt Gene Name	SHBG
UniProt Synonym Gene Names	SHBG; SBP; ABP; TeBG
UniProt Entry Name	SHBG_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/shbg/263084>