

Human Sex Hormone-Binding Globulin (SHBG) ELISA Kit | SHBG elisa kit

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CATALOG #
AAA330878

REACTIVITY
Human

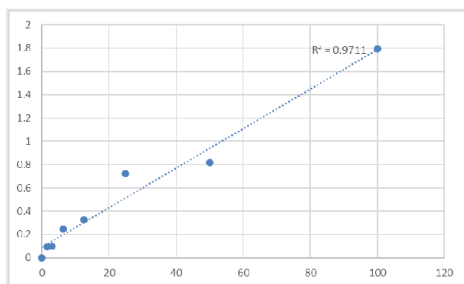
PRODUCT SYNONYMS

Sex Hormone-Binding Globulin (SHBG); Human Sex Hormone-Binding Globulin (SHBG) ELISA Kit; SHBG; ABP; MGC126834; MGC138391; SBP; TEBG; androgen binding protein; sex steroid-binding protein; testis-specific androgen-binding protein; testosterone-binding beta-globulin; testosterone-estradiol-binding; SHBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sex hormone-binding globulin (SHBG) ELISA Kit has high sensitivity and excellent specificity for detection of Human SHBG. No significant cross-reactivity or interference between Human SHBG and analogues was observed.
Sequence Length	402
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Sex hormone-binding globulin (SHBG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SHBG elisa kit	Description: This Human Sex hormone-binding globulin (SHBG) ELISA Kit employs a two-site sandwich ELISA to quantitate SHBG in samples. An antibody specific for SHBG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SHBG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SHBG 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 SHBG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SHBG is a glycoprotein that binds to sex hormones, specifically testosterone and estradiol. Other steroid hormones such as progesterone, cortisol, and other corticosteroids are bound by transcortin. These sex hormones circulate in the bloodstream, bound mostly to SHBG and to some degree bound to serum albumin. Only a small fraction is unbound, or "free," and thus biologically active and able to enter a cell and activate its receptor. The SHBG inhibits the function of these hormones. Thus bioavailability of sex hormones is influenced by the level of SHBG. SHBG is produced by the liver cells and is released into the bloodstream. Other sites that produce SHBG are the brain, uterus, and placenta and vagina. In addition SHBG is produced by the testes; testes-produced SHBG is also called androgen-binding protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7382460
NCBI GeneID	6462
NCBI Accession #	NP_001031.2
NCBI GenBank Nucleotide #	NP_001031.2
UniProt Accession #	P04278
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/sex-hormone-binding-globulin-shbg/330878>