

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

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CATALOG #
AAA136759

REACTIVITY
Mouse

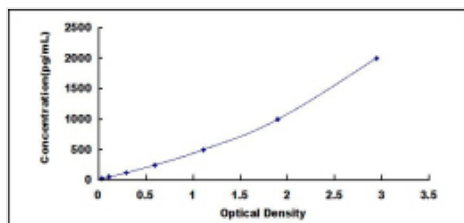
PRODUCT SYNONYMS

Sex Hormone Binding Globulin (SHBG); Mouse Sex Hormone Binding Globulin (SHBG) ELISA Kit; ABP; TEBG; SBP; Sex steroid-binding protein; Testis-specific androgen-binding protein; Testosterone-estradiol-binding globulin; Testosterone-estrogen-binding globulin; SHBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Sex Hormone Binding Globulin (SHBG). No significant cross-reactivity or interference between Sex Hormone Binding Globulin (SHBG) and analogues was observed.
Sequence Length	10
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	13.1pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Sex Hormone Binding Globulin (SHBG) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Sex Hormone Binding Globulin (SHBG) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SHBG elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Sex Hormone Binding Globulin (SHBG). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sex Hormone Binding Globulin (SHBG). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Sex Hormone Binding Globulin (SHBG), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Sex Hormone Binding Globulin (SHBG) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SHBG elisa kit	Endocrinology; Reproductive science

NCBI AND UNIPROT INFORMATION

NCBI GI #	165873787
Molecular Weight	1,079 Da
NCBI Official Full Name	sex hormone binding globulin
UniProt Protein Name	Sex hormone binding globulin
UniProt Gene Name	SHBG
UniProt Entry Name	B0FWH8_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/mouse-elisa-kits/sex-hormone-binding-globulin-shbg/136759>