

## ARG80853 Human SHBG ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG80853 Human SHBG ELISA Kit is an enzyme immunoassay kit for the quantification of SHBG in serum and plasma (EDTA, heparin, citrate).
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	SHBG
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.23 nmol/l
Sample Type	Serum and plasma (EDTA, heparin, citrate).
Standard Range	4 - 260 nmol/l
Sample Volume	25 µl
Alternate Names	SHBG; SBP; Testosterone-estradiol-binding globulin; Sex hormone-binding globulin; Sex steroid-binding protein; ABP; TeBG; Testis-specific androgen-binding protein; Testosterone-estrogen-binding globulin; TEBG

### Application Instructions

Assay Time 30, 15, 12 min

### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 6462 Human</a> <a href="#">Swiss-port # P04278 Human</a>
Gene Symbol	SHBG
Gene Full Name	sex hormone-binding globulin
Background	Sex-hormone-binding globulin (SHBG) is a B-globulin that specifically binds steroid hormones. The major site of SHBG synthesis is thought to be the hepatocytes. Its production is regulated by androgen/estrogen balance, thyroid hormones, insulin and dietary factors, among others. SHBG is involved in the transport of sex steroids in plasma. Its concentration is a major factor regulating their

distribution between protein-bound and free states. Determination of SHBG concentration is mainly of importance in the evaluation of mild disorders of androgen metabolism and it allows identification of women with hirsutism who are likely to respond to estrogen therapy. Testosterone/SHBG-ratios correlate well with both measured and calculated values for free testosterone, and help to discriminate between subjects with excessive androgen activity and normal individuals.

In general the measurement of SHBG offers the possibility for calculating the free fraction of various steroid hormones based on the measurement of the total concentration in serum. But there is also a method available for the direct measurement of free steroid hormones in saliva. The metabolic activity of any steroid in any case is just represented by the free hormone fraction which represents less than 5% of the total. The non-invasive sampling of saliva samples offers another advantage of salivary testing.

#### Highlight

Related products:  
[SHBG antibodies](#); [SHBG ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

#### Research Area

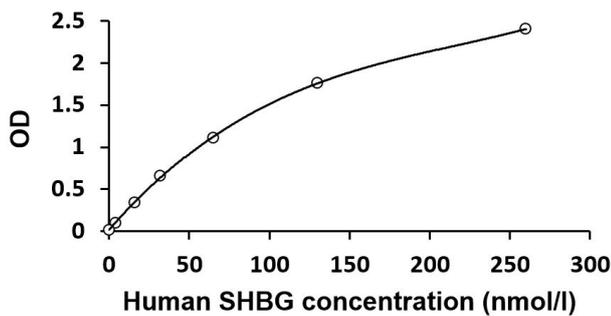
Metabolism kit; Signaling Transduction kit

#### PTM

Variant Asn-356 contains one N-linked (GlcNAc...) at position 356.

## Images

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ARG80853 Human SHBG ELISA Kit example of standard curve image

ARG80853 Human SHBG ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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