

## DESCRIPTION

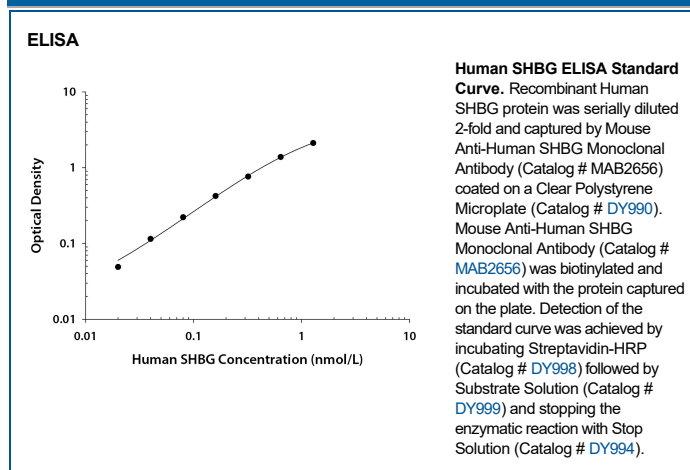
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SHBG in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 336711
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human SHBG Leu30-His402 Accession # P04278
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

<b>ELISA</b>	This antibody functions as an ELISA capture antibody when paired with Mouse Anti-Human SHBG Monoclonal Antibody (Catalog # <a href="#">MAB2656</a> ).  This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human SHBG DuoSet ELISA Kit (Catalog # <a href="#">DY2656</a> ) for convenient development of a sandwich ELISA.
--------------	---

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Human Sex Hormone Binding Globulin (SHBG), also known as ABP or androgen binding protein, is a variably glycosylated, secreted non-disulfide linked homodimer that belongs to the SHBG family. Members of this small family have tandem repeats of 170 aa long laminin A chain G-like domains. Each SHBG monomer is a 47-53 kDa, 373 aa glycoprotein that contains one steroid-binding site in its N-terminal G-like domain. Male and female sex hormones are bound with equal affinity. SHBG is synthesized by the liver and circulates in blood; ABP (SHBG in the testis) is synthesized by Sertoli cells and circulates in the male reproductive system. Human SHBG shares approximately 67% aa sequence identity with mouse and rat SHBG.