



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti Human Sex Hormone Binding Globulin

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-02300

**Target Species**  
Human

**Isotype**  
IgG1

### Introduction

**Synonyms:** SHBG

**Immunogen:** Purified SHBG from human serum

**Preparation:** Purified IgG prepared by affinity chromatography on Protein A

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide

**Approx. Protein Concentrations:** IgG concentration 1.0mg/ml

### Specificity

DS-MB-02300 recognizes sex hormone binding globulin (SHBG), a 45 kDa plasma glycoprotein dimer. SHBG is an androgen transport protein which binds and regulates the free concentration of steroid hormones and is involved in steroid signaling at the cell membrane. This antibody shows minimal cross-reactivity with other human serum proteins.

**Affinity:**  $1.5 \times 10^9 \text{ M}^{-1}$

### Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of shipment

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### Applications

**Table Summary of antibody applications and working conditions**

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	•			
Western Blotting			•	
IHC – Frozen			•	
IHC – Paraffin			•	
Flow Cytometry			•	
Immunoprecipitation			•	
IRMA (1)	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.  
(1) Suitable for use as solid phase or capture antibody.

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