

Anti-Sex Hormone Binding Globulin (SHBG) Monoclonal Antibody

Catalog Number: M00682

About SHBG

Recognizes a protein of 45kDa, identified as SHBG. It functions as an androgen transport protein, but may also be involved in receptor-mediated processes. Each dimer binds one molecule of steroid. It is specific for 5-alpha-dihydrotestosterone, testosterone, and 17-beta-estradiol. SHBG regulates the plasma metabolic clearance rate of steroid hormones by controlling their plasma concentration. In testis, it is synthesized by the Sertoli cells, secreted into the lumen of the seminiferous tubule and transported to the epididymis.

Overview

Product Name	Anti-Sex Hormone Binding Globulin (SHBG) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Sex Hormone Binding Globulin (SHBG) Monoclonal Antibody (Catalog # M00682). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: SPM605
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P04278

Technical Details

Immunogen	Recombinant full-length human SHBG protein
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

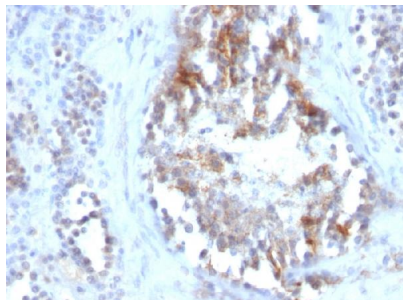
Flow Cytometry (1-2ug/million cells)

Immunofluorescence (1-2ug/ml)

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at

95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Anti-Sex Hormone Binding Globulin (SHBG) Monoclonal Antibody (M00682) Images



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with SHBG Monoclonal Antibody (SPM605)

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