

Human Thyroxine Binding Globulin (TBG) CLIA Kit | TBG clia kit

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CATALOG # AAA188901	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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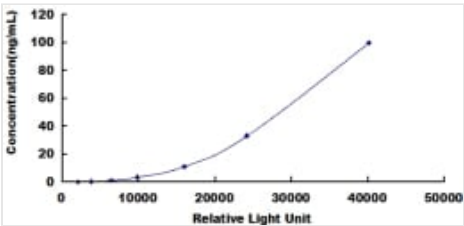
PRODUCT SYNONYMS

Thyroxine Binding Globulin (TBG); Human Thyroxine Binding Globulin (TBG) CLIA Kit; Thyroxine Binding Globulin; SERPINA7; Serpin Peptidase Inhibitor Clade A Member 7; T4-binding globulin; TBG clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thyroxine Binding Globulin (TBG). No significant cross-reactivity or interference between Thyroxine Binding Globulin (TBG) and analogues was observed.
Sequence Length	415
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.07ng/mL
Applicable Applications for TBG clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Thyroxine Binding Globulin (TBG) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Thyroxine Binding Globulin (TBG) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Thyroxine Binding Globulin (TBG). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Thyroxine Binding Globulin (TBG). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Thyroxine Binding Globulin (TBG) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277441
NCBI GeneID	6906
NCBI Accession #	NP_000345.2
NCBI GenBank Nucleotide #	NP_000345.2
UniProt Accession #	P05543
NCBI Official Full Name	thyroxine-binding globulin
NCBI Official Synonym Full Names	serpin family A member 7
NCBI Official Symbol	SERPINA7
NCBI Official Synonym Symbols	TBG; TBGQTL
NCBI Protein Information	thyroxine-binding globulin
UniProt Protein Name	Thyroxine-binding globulin
UniProt Gene Name	SERPINA7
UniProt Synonym Gene Names	TBG
UniProt Entry Name	THBG_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.