

Goat Thyroxine Binding Globulin ELISA Kit | TBG elisa kit

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CATALOG #
AAA90982

REACTIVITY
Goat

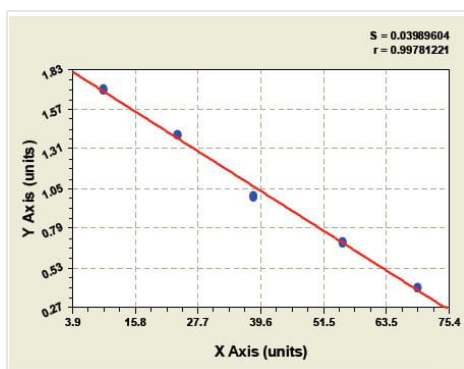
PRODUCT SYNONYMS

Thyroxine Binding Globulin; Goat Thyroxine Binding Globulin ELISA Kit; TBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This TBG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat TBG. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TBG elisa kit

Principle of the Assay: TBG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TBG antibody and an TBG-HRP conjugate. The assay sample and buffer are incubated together with TBG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TBG concentration since TBG from samples and TBG-HRP conjugate compete for the anti-TBG antibody binding site. Since the number of sites is limited, as more sites are occupied by TBG from the sample, fewer sites are left to bind TBG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TBG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TBG elisa kit

Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277441
NCBI GeneID	6906
NCBI Accession #	NP_000345.2
NCBI GenBank Nucleotide #	NM_000354.5
UniProt Accession #	P05543; D3DUX1
Molecular Weight	46,325 Da
NCBI Official Full Name	thyroxine-binding globulin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7
NCBI Official Symbol	SERPINA7
NCBI Official Synonym Symbols	TBG
NCBI Protein Information	thyroxine-binding globulin; serpin A7; T4-binding globulin; thyroxin-binding globulin; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7
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.

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Online datasheet: <https://stage.aaabiotech.com/tbg-goat-elisa-kits/thyroxine-binding-globulin/90982>