

Rat Thyroglobulin ELISA Kit | TG elisa kit

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CATALOG #
AAA86113

REACTIVITY
Rat

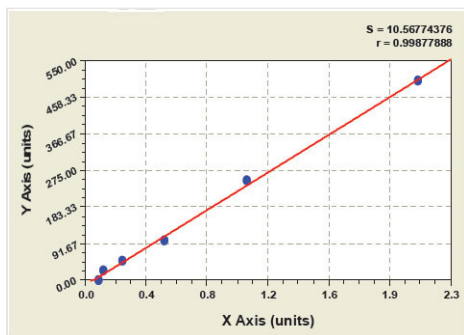
PRODUCT SYNONYMS

Thyroglobulin; Rat Thyroglobulin ELISA Kit; TG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	25-500 pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This TG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TG. 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 TG elisa kit

Principle of the Assay: TG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TG. Standards or samples are then added to the microtiter plate wells and TG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TG present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for TG are added to each well to "sandwich" the TG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TG concentration in each sample is interpolated from this standard curve

NCBI AND UNIPROT INFORMATION

NCBI GI #	37174
NCBI GeneID	7038
UniProt Accession #	P01266; O15274; O43899; Q15593; Q15948; Q9NYR1; Q9NYR2; Q9UMZ0; Q9UNY3
Molecular Weight	298,383 Da
NCBI Official Full Name	thyroglobulin
NCBI Official Synonym Full Names	thyroglobulin
NCBI Official Symbol	TG
NCBI Official Synonym Symbols	TGN; AITD3
NCBI Protein Information	thyroglobulin
UniProt Protein Name	Thyroglobulin
UniProt Gene Name	TG
UniProt Synonym Gene Names	Tg
UniProt Entry Name	THYG_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/tg-rat-elisa-kits/thyroglobulin/86113>