

Rat thyroglobulin ELISA Kit | TG elisa kit

Rat Thyroglobulin, TG ELISA Kit

CATALOG #
AAA80493

REACTIVITY
Rat

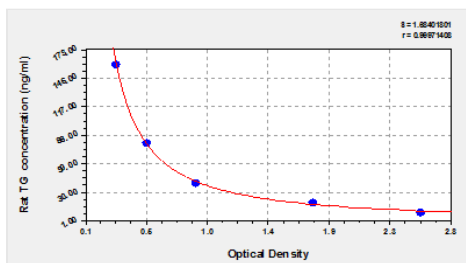
PRODUCT SYNONYMS

thyroglobulin; Rat Thyroglobulin; TG ELISA Kit; AITD3; TGN; ; TG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat TG. No significant cross-reactivity or interference between Rat TG and analogues was observed.
Sequence Length	2,768
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	10 ng/ml-160 ng/ml
Sensitivity	10 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 3	Thyroid hormones biosynthesis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TG elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to TG. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated TG. A competitive inhibition reaction is launched between TG (Standards or samples) and Biotin-conjugated TG with the pre-coated antibody specific for TG. The more amount of TG in samples, the less antibody bound by Biotin-conjugated TG. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of TG in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37174
NCBI GeneID	7038
UniProt Accession #	P01266; Q9JKY6; Q9JM94
Molecular Weight	304,645 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_RAT

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://www.aaabiotech.com/tg-rat-elisa-kits/thyroglobulin/80493>