

Human thyroglobulin ELISA Kit | TG elisa kit

Human Thyroglobulin, TG ELISA Kit

CATALOG #
AAA80204

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TG. No significant cross-reactivity or interference between human TG and analogues was observed.
Sequence Length	2768
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	6.25 ng/ml-400 ng/ml
Sensitivity	<1.56 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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.

ADDITIONAL INFORMATION

Related Product Information for TG elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TG is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TG bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770862
NCBI GeneID	7038
NCBI Accession #	NP_003226.4
NCBI GenBank Nucleotide #	NM_003235.4
UniProt Accession #	P01266; O15274; O43899; Q15593; Q15948; Q9NYR1; Q9NYR2; Q9UMZ0; Q9UNY3
Molecular Weight	304,790 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://www.aaabiotech.com/tg-human-elisa-kits/thyroglobulin/80204>