

Mouse Thyroglobulin Antibody (TG) ELISA Kit | TG elisa kit

Mouse Anti-Thyroglobulin Antibody (Anti-TG)(Competitive EIA) ELISA Kit

CATALOG # AAA150847	REACTIVITY Mouse	APPLICATIONS ELISA
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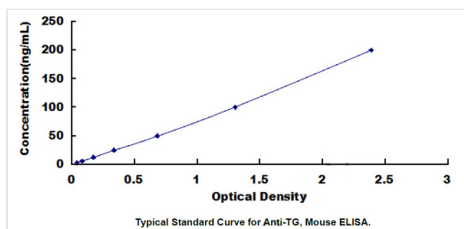
PRODUCT SYNONYMS

Thyroglobulin Antibody (TG); Mouse Anti-Thyroglobulin Antibody (Anti-TG)(Competitive EIA) ELISA Kit; ELISA Kit for Anti-Thyroglobulin Antibody (Anti-TG); Anti-TG/Anti-Thyroglobulin Antibody; AITD3; TGN; TG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-TG. No significant cross-reactivity or interference between Anti-TG and analogues was observed.
Samples	Mouse serum, plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.21ng/mL
Applicable Applications for TG elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-TG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-TG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life) 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)

ADDITIONAL INFORMATION

Related Product Information for TG elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with TG. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-TG will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Anti-TG in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-TG in mouse serum, plasma and other biological fluids.
Product Categories/Family for TG elisa kit	Metabolic pathway; Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	124430576
NCBI GeneID	21819
NCBI Accession #	NP_033401.2
NCBI GenBank Nucleotide #	NM_009375.2
UniProt Accession #	O08710; O88590; Q2NKY1; Q9QWY7
Molecular Weight	304,473 Da
NCBI Official Full Name	thyroglobulin
NCBI Official Synonym Full Names	thyroglobulin
NCBI Official Symbol	Tg
NCBI Official Synonym Symbols	Tgn; cog
NCBI Protein Information	thyroglobulin
UniProt Protein Name	Thyroglobulin
UniProt Gene Name	Tg
UniProt Synonym Gene Names	Tgn; Tg

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/mouse-elisa-kits/thyroglobulin-antibody-tg/150847>