

Rat Thyroid Peroxidase (TPO) ELISA Kit | TPO elisa kit

Rat Anti-Thyroid Peroxidase Antibody (Anti-TPO) ELISA Kit

CATALOG # AAA150351	REACTIVITY Rat	APPLICATIONS ELISA
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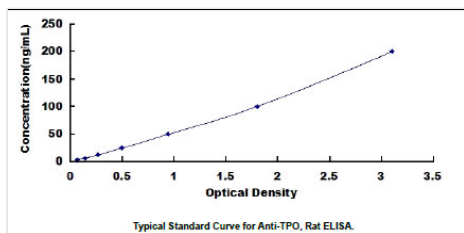
PRODUCT SYNONYMS

Thyroid Peroxidase (TPO); Rat Anti-Thyroid Peroxidase Antibody (Anti-TPO) ELISA Kit; TPX; thyroperoxidase; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-TPO. No significant cross-reactivity or interference between Anti-TPO and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.12ng/mL
Applicable Applications for TPO elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-TPO 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-TPO were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 TPO elisa kit	Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-TPO in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with TPO. 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-TPO 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-TPO in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TPO elisa kit	Enzyme & Kinase; Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	129832
NCBI GeneID	54314
UniProt Accession #	P14650
Molecular Weight	101,460 Da
NCBI Official Full Name	Thyroid peroxidase
NCBI Official Synonym Full Names	thyroid peroxidase
NCBI Official Symbol	Tpo
NCBI Protein Information	thyroid peroxidase
UniProt Protein Name	Thyroid peroxidase
UniProt Gene Name	Tpo
UniProt Synonym Gene Names	TPO

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/rat-elisa-kits/thyroid-peroxidase-tpo/150351>