

Rat Thyroid-Peroxidase, TPO ELISA Kit | TPO elisa kit

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CATALOG #
AAA41986

REACTIVITY
Rat

PRODUCT SYNONYMS

Thyroid-Peroxidase; TPO; Rat Thyroid-Peroxidase; TPO ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	38
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.5ng/ml - 70ng/ml
Sensitivity	0.32ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Thyroid-Peroxidase (also known as TPO) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat TPO antibody. TPO present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat TPO Antibody is added and binds to TPO in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated TPO antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat TPO. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4261820
NCBI GeneID	7173
Molecular Weight	96,699 Da
NCBI Official Full Name	thyroid peroxidase, partial
NCBI Official Synonym Full Names	thyroid peroxidase
NCBI Official Symbol	TPO
NCBI Official Synonym Symbols	MSA; TPX; TDH2A
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/41986>