

Rat anti-Thyroid-Peroxidase antibody, TPO-Ab ELISA Kit | TPO elisa kit

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CATALOG #
AAA80661

REACTIVITY
Rat

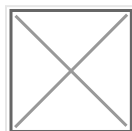
PRODUCT SYNONYMS

anti-Thyroid-Peroxidase antibody; TPO-Ab; Rat anti-Thyroid-Peroxidase antibody; TPO-Ab ELISA Kit; TPO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat anti-TPO antibody. No significant cross-reactivity or interference between rat anti-TPO antibody and analogues was observed.
Sequence Length	876
Samples	Serum, plasma
Detection Range	5 IU/ml -80IU /mL
Sensitivity	<5 IU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPO 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 antigen. Standards or samples are added to the appropriate microtiter plate wells with biotin-conjugated anti-TPO antibody. A competitive inhibition reaction is launched between anti-TPO antibody (Standards or samples) and Biotin-conjugated anti-TPO antibody with the pre-coated antigen. The more amount of anti-TPO antibody in samples, the less pre-coated antigen bound by Biotin-conjugated anti-TPO antibody. After washing, Horseradish Peroxidase (HRP)-conjugated avidin is added to the wells. Substrate solution is added to the wells and the color develops in opposite to the amount of anti-TPO antibody in the sample. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #

332078492

NCBI GeneID	7173
NCBI Accession #	NP_001193674.1
NCBI GenBank Nucleotide #	NM_001206745.1
UniProt Accession #	P07202; P09934; P09935; Q8IUL0; Q8NF94; Q8NF95; Q8NF96; Q8NF97; Q8TCI9
Molecular Weight	92,063 Da
NCBI Official Full Name	thyroid peroxidase isoform b
NCBI Official Synonym Full Names	thyroid peroxidase
NCBI Official Symbol	TPO
NCBI Official Synonym Symbols	MSA; TPX; TDH2A
NCBI Protein Information	thyroid peroxidase; thyroperoxidase; thyroid microsomal antigen
UniProt Protein Name	Thyroid peroxidase
UniProt Gene Name	TPO
UniProt Synonym Gene Names	TPO
UniProt Entry Name	PERT_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://stage.aaabiotech.com/rat-elisa-kits/anti-thyroid-peroxidase-antibody-tpo-ab/80661>