

Rat tyrosine hydroxylase ELISA Kit | TH elisa kit

Rat Tyrosine Hydroxylase, TH ELISA Kit

CATALOG #
AAA15167

REACTIVITY
Rat

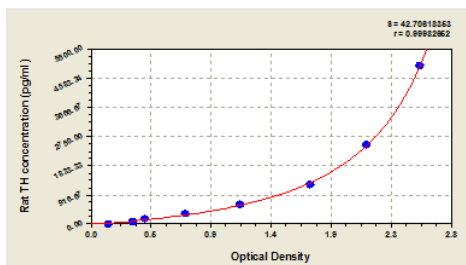
PRODUCT SYNONYMS

tyrosine hydroxylase; Rat Tyrosine Hydroxylase; TH ELISA Kit; Rat Tyrosine Hydroxylase (TH) ELISA Kit; DYT14; DYT5b; TYH; dystonia 14; tyrosine 3-monooxygenase; TH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat TH. No significant cross-reactivity or interference between rat TH and analogues was observed.
Sequence Length	498
Assay Type	Quantitative Sandwich
Samples	Serum, tissue homogenates
Detection Range	78 pg/ml-5000 pg/ml
Sensitivity	< 19.5 pg/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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TH elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TH 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 TH bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981652
NCBI GeneID	25085
NCBI Accession #	NP_036872.1
NCBI GenBank Nucleotide #	NM_012740.3
UniProt Accession #	P04177
Molecular Weight	55,966 Da
NCBI Official Full Name	tyrosine 3-monooxygenase
NCBI Official Synonym Full Names	tyrosine hydroxylase
NCBI Official Symbol	Th
NCBI Official Synonym Symbols	The
NCBI Protein Information	tyrosine 3-monooxygenase; tyrosine 3-hydroxylase
UniProt Protein Name	Tyrosine 3-monooxygenase
UniProt Gene Name	Th
UniProt Synonym Gene Names	TH
UniProt Entry Name	TY3H_RAT

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/th-rat-elisa-kits/tyrosine-hydroxylase/15167>