

Rat Tyrosine Hydroxylase ELISA Kit | Th elisa kit

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CATALOG #
AAA102316

REACTIVITY
Rat

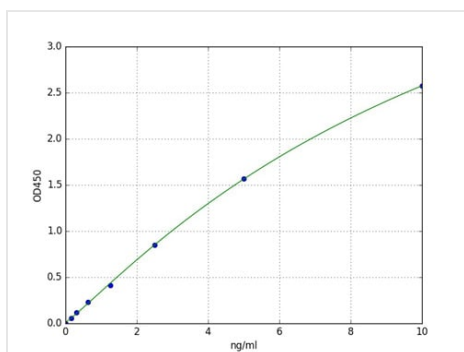
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Rat Tyrosine Hydroxylase ELISA Kit; Th/TYH/DYT14/DYT5b/EC 1.14.16/EC 1.14.16.2/TH/TYHdystonia 14/Tyrosine 3-hydroxylase/tyrosine 3-monoxygenase/tyrosine hydroxylase; Th elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	106
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat Th ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.078	0.137	0.166	0.315	0.437	0.841	1.488	2.100

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Th elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Th antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Th antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Th amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Th can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	986909
NCBI GeneID	7054
Molecular Weight	44,898 Da
NCBI Official Full Name	tyrosine hydroxylase, partial
NCBI Official Synonym Full Names	tyrosine hydroxylase
NCBI Official Symbol	TH
NCBI Official Synonym Symbols	TYH; DYT14; DYT5b
NCBI Protein Information	tyrosine 3-monooxygenase
UniProt Protein Name	Tyrosine 3-monooxygenase
UniProt Gene Name	TH
UniProt Synonym Gene Names	TYH; TH
UniProt Entry Name	TY3H_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://www.aaabiotech.com/th-rat-elisa-kits/tyrosine-hydroxylase/102316>