

Rat Tyrosine Hydroxylase ELISA Kit | TH elisa kit

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CATALOG #
AAA93657

REACTIVITY
Rat

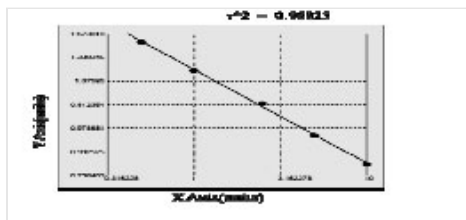
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Rat Tyrosine Hydroxylase ELISA Kit; TH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TH elisa kit

Intended Uses: This TH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TH. This ELISA kit for research use only!

Principle of the Assay||TH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TH antibody and an TH-HRP conjugate. The assay sample and buffer are incubated together with TH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TH concentration since TH from samples and TH-HRP conjugate compete for the anti-TH antibody binding site. Since the number of sites is limited, as more sites are occupied by TH from the sample, fewer sites are left to bind TH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TH concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TH elisa kit

[Neurobiology](#)

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; dystonia 14; tyrosine 3-hydroxylase
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://stage.aaabiotech.com/th-rat-elisa-kits/tyrosine-hydroxylase/93657>