

Chicken Tyrosine Hydroxylase ELISA Kit | TH elisa kit

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CATALOG #
AAA91737

REACTIVITY
Chicken

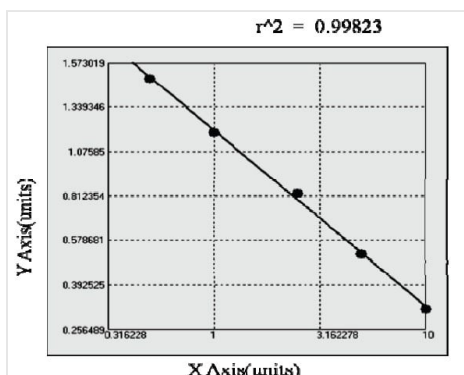
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This TH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken TH. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TH elisa kit

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
UniProt Accession #	O43816; P07101; P78428; Q0PWM2; Q0PWM3; Q15587; Q16846; Q2M3B4; Q6XS77; Q7KZ36
Molecular Weight	14,058 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 hydroxylase
UniProt Entry Name	O43816_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-chicken-elisa-kits/tyrosine-hydroxylase/91737>