

Mouse Tyrosine Hydroxylase ELISA Kit | TH elisa kit

Mouse Tyrosine Hydroxylase (TH) ELISA Kit

CATALOG #
AAA144606

REACTIVITY
Mouse

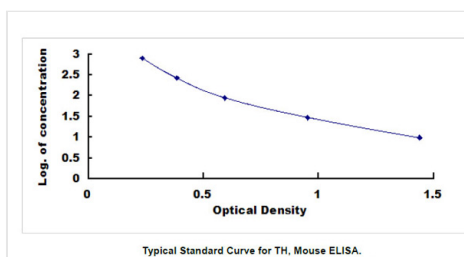
PRODUCT SYNONYMS

Tyrosine Hydroxylase; Mouse Tyrosine Hydroxylase (TH) ELISA Kit; TYH; DYT5b; Tyrosine 3-Monooxygenase; Dystonia 14; TH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TH. No significant cross-reactivity or interference between TH and analogues was observed.
Sequence Length	106
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive
Detection Range	9.88-800pg/mL. The standard curve concentrations used for the ELISA's were 800pg/mL, 266.67pg/mL, 88.89pg/mL, 29.63pg/mL, 9.88pg/mL,
Sensitivity	3.76pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit: All the reagents should be kept according to the labels on vials. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C upon receipt while the others should be at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TH elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of TH in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to TH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled TH and unlabeled TH (Standards or samples) with the pre-coated antibody specific to TH. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of TH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of TH in the sample.
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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.