

Chicken Tryptophan 5-hydroxylase 1 (TPH1) ELISA Kit | TPH1 elisa kit

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CATALOG #
AAA244562

REACTIVITY
Chicken

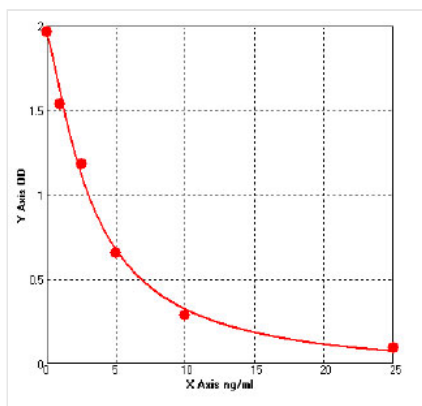
PRODUCT SYNONYMS

Tryptophan 5-hydroxylase 1 (TPH1); Chicken Tryptophan 5-hydroxylase 1 (TPH1) ELISA Kit; TPH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of TPH-1. No significant cross-reactivity or interference between TPH-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TPH-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPH1 elisa kit	Principle of the Assay: TPH-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TPH-1 antibody and an TPH-1-HRP conjugate. The assay sample and buffer are incubated together with TPH-1-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 TPH-1 concentration since TPH-1 from samples and TPH-1-HRP conjugate compete for the anti-TPH-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TPH-1 from the sample, fewer sites are left to bind TPH-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPH-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This TPH-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken TPH-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TPH1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759248
NCBI GeneID	7166
NCBI Accession #	NP_004170.1
NCBI GenBank Nucleotide #	NM_004179.2
Molecular Weight	53,394 Da
NCBI Official Full Name	tryptophan 5-hydroxylase 1
NCBI Official Synonym Full Names	tryptophan hydroxylase 1
NCBI Official Symbol	TPH1
NCBI Official Synonym Symbols	TPRH; TRPH
NCBI Protein Information	tryptophan 5-hydroxylase 1; L-tryptophan hydroxylase; tryptophan 5-monoxygenase 1; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monoxygenase)
UniProt Protein Name	Tryptophan 5-hydroxylase 1
UniProt Gene Name	TPH1
UniProt Synonym Gene Names	TPH; TPRH; TRPH
UniProt Entry Name	TPH1_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/chicken-elisa-kits/tryptophan-5-hydroxylase-1-tpH1/244562>