

Human Tryptophan Hydroxylase (TPH) ELISA Kit | TPH elisa kit

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CATALOG #
AAA330373

REACTIVITY
Human

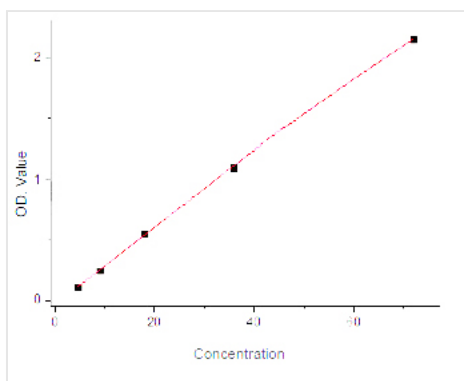
PRODUCT SYNONYMS

Tryptophan Hydroxylase (TPH); Human Tryptophan Hydroxylase (TPH) ELISA Kit; TPH1; MGC119994; TPRH; TRPH; L-tryptophan hydroxylase; indoleacetic acid-5-hydroxylase; tryptophan hydroxylase (tryptophan 5-monoxygenase); TPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	444
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPH elisa kit

Principle of the Assay: Human Tryptophan Hydroxylase (TPH) ELISA Kit employs a two-site sandwich ELISA to quantitate TPH in samples. An antibody specific for TPH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPH present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human TPH detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TPH bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: TPH2 encodes a member of the pterin-dependent aromatic acid hydroxylase family. The encoded protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter. The human genome contains two related tryptophan hydroxylases, one on chromosome 11p15-p14 and one on chromosome 12q21.

NCBI AND UNIPROT INFORMATION

NCBI GI #

4759248

NCBI GeneID	7166
NCBI Accession #	NP_004170.1
NCBI GenBank Nucleotide #	NP_004170.1
UniProt Accession #	P17752
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
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/human-elisa-kits/tryptophan-hydroxylase-tph/330373>