

Rat Tryptophan Hydroxylase 1 ELISA Kit | TPH1 elisa kit

Rat Tryptophan Hydroxylase 1(TPH1) ELISA Kit

CATALOG #
AAA164103

REACTIVITY
Rat

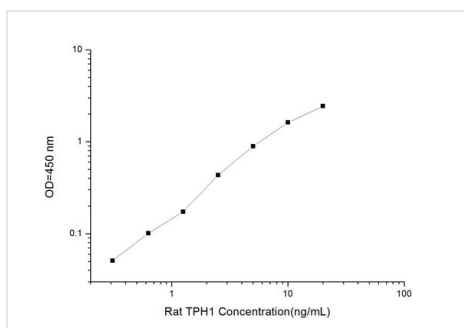
PRODUCT SYNONYMS

Tryptophan Hydroxylase 1; Rat Tryptophan Hydroxylase 1(TPH1) ELISA Kit; TPH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat TPH1. No significant cross-reactivity or interference between Rat TPH1 and analogues was observed.
Sequence Length	444
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat TPH1 concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPH1 elisa kit	Principle of the assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to TPH1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for TPH1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain TPH1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of TPH1. You can calculate the concentration of TPH1 in the samples by comparing the OD of the samples to the standard curve. FOR
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NCBI AND UNIPROT INFORMATION

NCBI GI #	76826965
NCBI GeneID	7166
UniProt Accession #	P17752; O95188; O95189; Q16736; Q3KPG8; D3DQX6
Molecular Weight	53,394 Da
NCBI Official Full Name	Tryptophan 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; indoleacetic acid-5-hydroxylase; tryptophan 5-monooxygenase 1; tryptophan hydroxylase (tryptophan 5-monooxygenase)
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/tph1-rat-elisa-kits/tryptophan-hydroxylase-1/164103>