

Rat Tryptophan Hydroxylase 1 ELISA Kit | TPH1 elisa kit

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CATALOG #
AAA99736

REACTIVITY
Rat

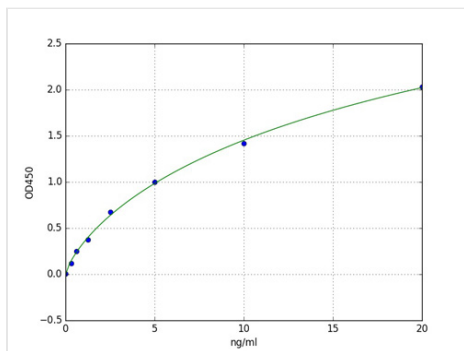
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	444
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat TPH1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.016	0.238	0.398	0.679	0.941	1.706	2.003	2.185

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPH1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat TPH1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat TPH1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat TPH1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat TPH1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

76826965

NCBI GeneID	7166
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
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-1/99736>