

Rat Alpha Tocopherol Transfer Protein (TTPa) ELISA Kit | TTPa elisa kit

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CATALOG #
AAA68742

REACTIVITY
Rat

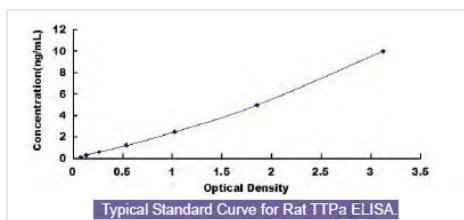
PRODUCT SYNONYMS

Alpha Tocopherol Transfer Protein (TTPa); Rat Alpha Tocopherol Transfer Protein (TTPa) ELISA Kit; AVED; TTP1; alphaTTP; Ataxia(Friedreich-Like)With Vitamin E Deficiency; TTPa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TTPa. No significant cross-reactivity or interference between TTPa and analogues was observed.
Sequence Length	278
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.049ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TTPa 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 TTPa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TTPa elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TTPa in rat tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TTPa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TTPa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TTPa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TTPa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981682
NCBI GeneID	25571
NCBI Accession #	NP_037180.1
NCBI GenBank Nucleotide #	NM_013048.2
UniProt Accession #	P41034
Molecular Weight	31,846 Da
NCBI Official Full Name	alpha-tocopherol transfer protein
NCBI Official Synonym Full Names	alpha tocopherol transfer protein
NCBI Official Symbol	Ttpa
NCBI Official Synonym Symbols	TTP
NCBI Protein Information	alpha-tocopherol transfer protein
UniProt Protein Name	Alpha-tocopherol transfer protein
UniProt Gene Name	Ttpa
UniProt Synonym Gene Names	Tpp1; Alpha-TTP

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/rat-elisa-kits/alpha-tocopherol-transfer-protein-tpa/68742>