

Mouse Alpha-Tocopherol Transfer Protein (TTPA) ELISA Kit | TTPA elisa kit

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CATALOG #
AAA332063

REACTIVITY
Mouse

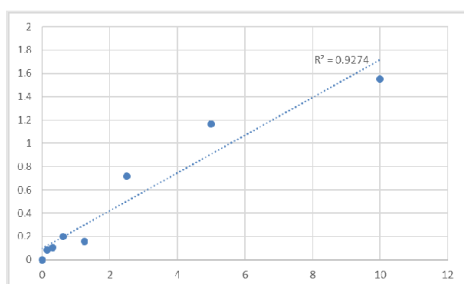
PRODUCT SYNONYMS

Alpha-Tocopherol Transfer Protein (TTPA); Mouse Alpha-Tocopherol Transfer Protein (TTPA) ELISA Kit; TTPA; ATP; AVED; TTP1; alphaTTP; TTPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Alpha-tocopherol transfer protein (TTPA) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TTPA. No significant cross-reactivity or interference between Mouse TTPA and analogues was observed.
Sequence Length	278
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Alpha-tocopherol transfer protein (TTPA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TTPA elisa kit	Description: This Mouse Alpha-tocopherol transfer protein (TTPA) ELISA Kit employs a two-site sandwich ELISA to quantitate TTPA in samples. An antibody specific for TTPA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TTPA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TTPA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TTPA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TTPa encodes a soluble protein that binds alpha-trocopherol, a form of vitamin E, with high selectivity and affinity. This protein plays an important role in regulating vitamin E levels in the body by transporting vitamin E between membrane vesicles and facilitating the secretion of vitamin E from hepatocytes to circulating lipoproteins. Mutations in this gene cause hereditary vitamin E deficiency (ataxia with vitamin E deficiency, AVED) and retinitis pigmentosa. Using rat alpha-Ttp to screen a liver cDNA library, followed by PCR, Arita et al. (1995) cloned full-length human alpha-TTP. The deduced 278-amino acid protein has a calculated molecular mass of 31.7 kD and shares 94% identity with rat alpha-Ttp. Northern blot analysis of several human tissues detected a 4.5-kb alpha-TTP transcript in liver only.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33468963
NCBI GeneID	50500
NCBI Accession #	NP_056582.1
NCBI GenBank Nucleotide #	NP_056582.1
UniProt Accession #	Q8BWP5
NCBI Official Full Name	alpha-tocopherol transfer protein isoform 1
NCBI Official Synonym Full Names	tocopherol (alpha) transfer protein
NCBI Official Symbol	Ttpa
NCBI Official Synonym Symbols	alpha-TTP
NCBI Protein Information	alpha-tocopherol transfer protein
UniProt Protein Name	Alpha-tocopherol transfer protein
UniProt Gene Name	Ttpa
UniProt Synonym Gene Names	Alpha-TTP
UniProt Entry Name	TTPA_MOUSE

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.