

Alpha-Tocopherol (TCPa) ELISA Kit | TCPa elisa kit

General Alpha-Tocopherol (TCPa) Mini Samples ELISA Kit

CATALOG #
AAA147375

REACTIVITY
Pan-species (General)

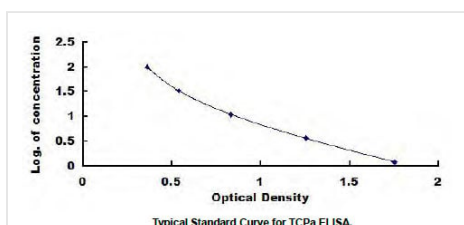
PRODUCT SYNONYMS

Alpha-Tocopherol (TCPa); General Alpha-Tocopherol (TCPa) Mini Samples ELISA Kit; VE; Vitamin E; alpha-TCP; alpha-Tocopherol; TCPa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of TCPa. No significant cross-reactivity or interference between TCPa and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	1.23-100ug/mL
Sensitivity	< 0.49ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TCPa 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 TCPa 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 TCPa elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of TCPa in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to TCPa has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled TCPa and unlabeled TCPa (Standards or samples) with the pre-coated antibody specific to TCPa. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of TCPa in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of TCPa in the sample.

Product Categories/Family for TCPa elisa kit

[Metabolic pathway](#); [Nutrition metabolism](#)

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/general-elisa-kits/alpha-tocopherol-tcpa/147375>