

Vitamin C (VC) ELISA Kit | VC elisa kit

General Vitamin C (VC) Mini Samples ELISA Kit

CATALOG #
AAA147373

REACTIVITY
Pan-species (General)

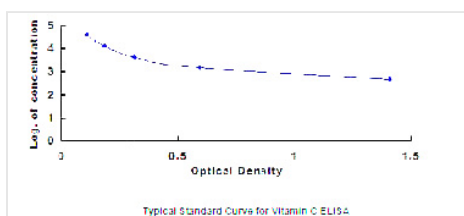
PRODUCT SYNONYMS

Vitamin C (VC); General Vitamin C (VC) Mini Samples ELISA Kit; AA; L-Ascorbic Acid; Ascorbate; VC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of VC. No significant cross-reactivity or interference between VC and analogues was observed.
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	493.8-40,000ng/mL
Sensitivity	173.5ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VC 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 VC 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 VC elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of VC 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 VC has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled VC and unlabeled VC (Standards or samples) with the pre-coated antibody specific to VC. 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 VC in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of VC in the sample.

Product Categories/Family for VC elisa kit

[Metabolic pathway](#); [Infection immunity](#); [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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/vitamin-c-vc/147373>