

Rat Vitamin C ELISA Kit | VC elisa kit

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CATALOG #
AAA82466

REACTIVITY
Rat

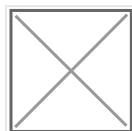
PRODUCT SYNONYMS

Vitamin C; Rat Vitamin C ELISA Kit; VC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 umol/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VC elisa kit

Principle of the Assay: VC ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-VC antibody and an VC-HRP conjugate. The assay sample and buffer are incubated together with VC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VC concentration since VC from samples and VC-HRP conjugate compete for the anti-VC antibody binding site. Since the number of sites is limited, as more sites are occupied by VC from the sample, fewer sites are left to bind VC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VC concentration in each sample is interpolated from this standard curve.

Intended Uses: This VC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VC. This ELISA kit for research use only, not for therapeutic or test applications!

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.