

Rat Vitamin C (VC) ELISA Kit | VC elisa kit

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CATALOG #
AAA330150

REACTIVITY
Rat

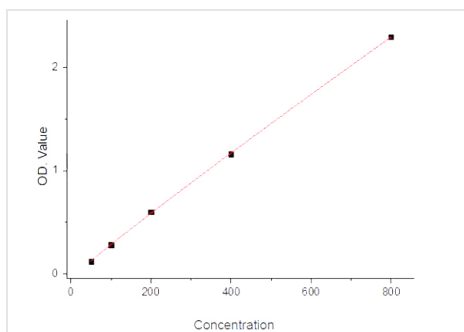
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VC elisa kit

Principle of the Assay: Rat Vitamin C (VC) ELISA Kit employs a two-site sandwich ELISA to quantitate VC in samples. An antibody specific for VC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VC present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Rat VC detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of VC bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Vitamin C (ascorbic acid) is a nutrient your body needs to form blood vessels, cartilage, muscle and collagen in bones. Vitamin C is also vital to your body's healing process. Vitamin C is an essential nutrient for humans and certain other animal species, in which it functions as a vitamin. In living organisms, ascorbate is an anti-oxidant, since it protects the body against oxidative stress. It is also a cofactor in at least eight enzymatic reactions, including several collagen synthesis reactions that cause the most severe symptoms of scurvy when they are dysfunctional. In animals, these reactions are especially important in wound-healing and in preventing bleeding from capillaries.

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.