

Human Vitamin K1 ELISA Kit | VK1 elisa kit

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CATALOG #
AAA85540

REACTIVITY
Human

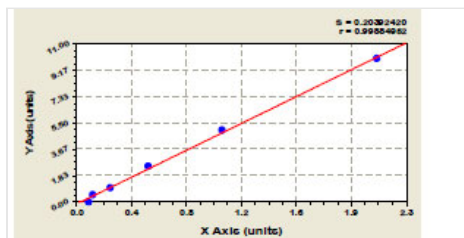
PRODUCT SYNONYMS

Vitamin K1; Human Vitamin K1 ELISA Kit; VK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VK1 elisa kit

Intended Uses: This VK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human VK1. This ELISA kit for research use only!

Principle of the Assay: VK1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for VK1. Standards or samples are then added to the microtiter plate wells and VK1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of VK1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for VK1 are added to each well to "sandwich" the VK1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain VK1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VK1 concentration in each sample is interpolated from this standard curve.

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.

