

## Rat Vitamin K1 ELISA Kit | VK1 elisa kit

Rat Vitamin K1 ELISA Kit

CATALOG #  
**AAA86339**

REACTIVITY  
**Rat**

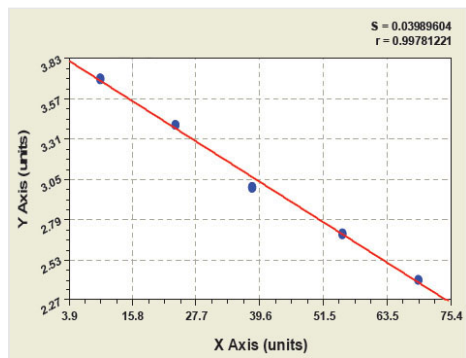
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                         |
| Assay Type              | Competitive                                                                                                                                                                        |
| Detection Range         | 250-5000 pg/mL                                                                                                                                                                     |
| Sensitivity             | 1.0pg/ml                                                                                                                                                                           |
| Intended Uses           | This VK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VK1. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for VK1 elisa kit

**Principle of the Assay:** VK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VK1 antibody and an VK1-HRP conjugate. The assay sample and buffer are incubated together with VK1-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 VK1 concentration since VK1 from samples and VK1-HRP conjugate compete for the anti-VK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VK1 from the sample, fewer sites are left to bind VK1-HRP conjugate. 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.

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