

Rat Vitamin K epoxide reductase complex subunit 1 ELISA Kit | Vkorc1 elisa kit

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CATALOG #
AAA309992

REACTIVITY
Rat

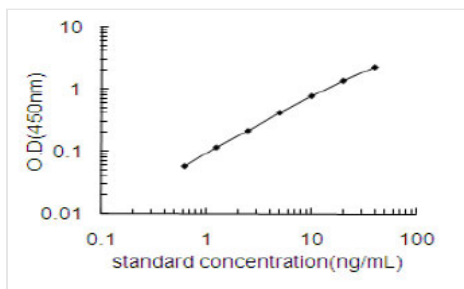
PRODUCT SYNONYMS

Vitamin K epoxide reductase complex subunit 1; Rat Vitamin K epoxide reductase complex subunit 1 ELISA Kit; Vitamin K1 2; 3-epoxide reductase subunit 1; Vkorc1; 1.1.4.1; Vkorc1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural Rat Superoxide dismutase [Cu-Zn]. No significant cross-reactivity or interference was observed.
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernates, And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	1.56-100 U/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Vkorc1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Superoxide dismutase [Cu-Zn] concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Superoxide dismutase [Cu-Zn]. During the reaction, Superoxide dismutase [Cu-Zn] in the sample or standard competes with a fixed amount of biotin-labeled Superoxide dismutase [Cu-Zn] for sites on a pre-coated Monoclonal antibody specific to Superoxide dismutase [Cu-Zn]. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Superoxide dismutase [Cu-Zn] in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42627871
NCBI GeneID	309004
NCBI Accession #	NP_976080.1
NCBI GenBank Nucleotide #	NP_976080.1
UniProt Accession #	Q6TEK4
Molecular Weight	17,783 Da
NCBI Official Full Name	vitamin K epoxide reductase complex subunit 1
NCBI Official Synonym Full Names	vitamin K epoxide reductase complex, subunit 1
NCBI Official Symbol	Vkorc1
NCBI Protein Information	vitamin K epoxide reductase complex subunit 1
UniProt Protein Name	Vitamin K epoxide reductase complex subunit 1
UniProt Gene Name	Vkorc1

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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Online datasheet: <https://www.aaabiotech.com/vkorc1-rat-elisa-kits/vitamin-k-epoxide-reductase-complex-subunit-1/309992>