

Human Vitamin K Epoxide Reductase Complex Subunit 1 (VKORC1) ELISA Kit | VKORC1 elisa kit

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CATALOG #
AAA140834

REACTIVITY
Human

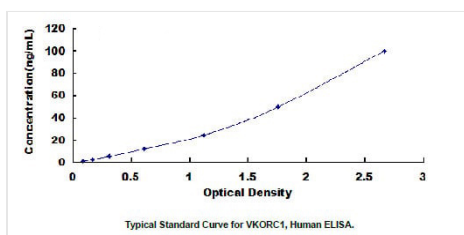
PRODUCT SYNONYMS

Vitamin K Epoxide Reductase Complex Subunit 1 (VKORC1); Human Vitamin K Epoxide Reductase Complex Subunit 1 (VKORC1) ELISA Kit; VKCFD2; VKOR; Vitamin K Dependent Clotting Factors Deficiency 2; Vitamin K1 2; 3-epoxide reductase subunit 1; VKORC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VKORC1. No significant cross-reactivity or interference between VKORC1 and analogues was observed.
Sequence Length	163
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.60ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VKORC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VKORC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VKORC1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of VKORC1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to VKORC1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to VKORC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VKORC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of VKORC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for VKORC1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	62511226
NCBI GeneID	79001
Molecular Weight	9,875 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 Official Synonym Symbols	VKOR; MST134; MST576; VKCFD2; EDTP308
NCBI Protein Information	vitamin K epoxide reductase complex subunit 1
UniProt Protein Name	Vitamin K epoxide reductase complex subunit 1
UniProt Gene Name	VKORC1
UniProt Synonym Gene Names	VKOR
UniProt Entry Name	VKOR1_HUMAN

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/human-elisa-kits/vitamin-k-epoxide-reductase-complex-subunit-1-vkorc1/140834>