

Human Vitamin K-dependent protein C ELISA Kit | PROC elisa kit

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CATALOG #
AAA193995

REACTIVITY
Human

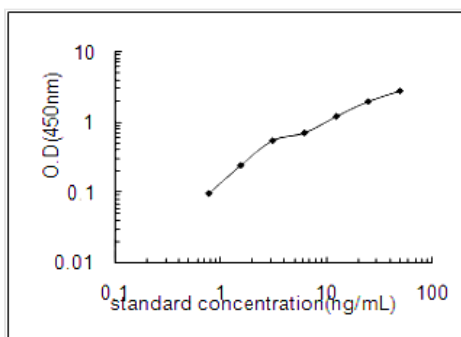
PRODUCT SYNONYMS

Vitamin K-dependent protein C; Human Vitamin K-dependent protein C ELISA Kit; Anticoagulant protein C; Autoprothrombin IIA; Blood coagulation factor XIV; PROC; 3.4.21.69; PROC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Vitamin K-dependent protein C. No significant cross-reactivity or interference was observed.
Sequence Length	461
Assay Type	Sandwich
Detection Range	0.78-50 ng/mL
Sensitivity	0.195 ng/mL
Intra-Assay CV	<=7.5%
Inter-Assay CV	<=10.8%
Recovery	99%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PROC elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Vitamin K-dependent protein C concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to Vitamin K-dependent protein C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Vitamin K-dependent protein C and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Vitamin K-dependent protein C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Vitamin K-dependent protein C in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506115
NCBI GeneID	5624
NCBI Accession #	NP_000303.1
NCBI GenBank Nucleotide #	NM_000312.3
UniProt Accession #	P04070; Q15189; Q15190; Q16001; Q53S74; Q9UC55; B4DPQ7
Molecular Weight	57,556 Da
NCBI Official Full Name	vitamin K-dependent protein C preproprotein
NCBI Official Synonym Full Names	protein C, inactivator of coagulation factors Va and VIIIa
NCBI Official Symbol	PROC
NCBI Official Synonym Symbols	PC; APC; PROC1; THPH3; THPH4
NCBI Protein Information	vitamin K-dependent protein C
UniProt Protein Name	Vitamin K-dependent protein C
UniProt Gene Name	PROC
UniProt Entry Name	PROC_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://stage.aaabiotech.com/proc-human-elisa-kits/vitamin-k-dependent-protein-c/193995>