

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

Human protein C, PC ELISA Kit

CATALOG #
AAA80355

REACTIVITY
Human

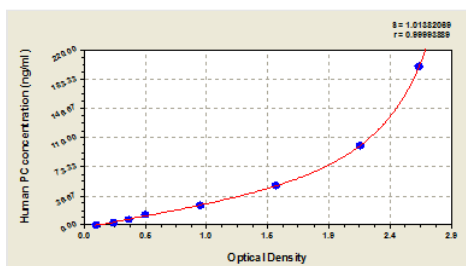
PRODUCT SYNONYMS

Vitamin K-dependent protein C; Human protein C; PC ELISA Kit; Human protein C (PC) ELISA kit; APC; PC; PROC; anticoagulant protein C; autoproteolysis IIA; blood coagulation factor XIV; protein C; vitamin K-dependent protein C; PROC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PROC. No significant cross-reactivity or interference between Human PROC and analogues was observed.
Sequence Length	461
Samples	Serum, plasma, tissue homogenates
Detection Range	3.12 ng/ml-200 ng/ml
Sensitivity	0.78 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Blood Coagulation
Protein Biological Process 3	Blood coagulation
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PROC elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin conjugated polyclonal antibody preparation specific for Protein C and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain 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 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	52,071 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; prepro-protein C; autoprothrombin IIA; anticoagulant protein C; blood coagulation factor XIV
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/80355>