

Human Protein C (PROC) ELISA Kit | PROC elisa kit

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CATALOG #
AAA67472

REACTIVITY
Human

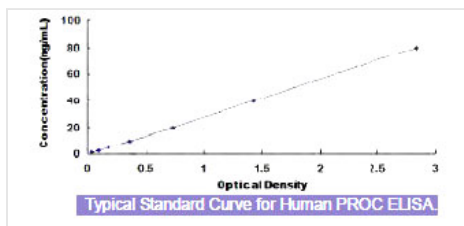
PRODUCT SYNONYMS

Protein C (PROC); Human Protein C (PROC) ELISA Kit; PRO-C; VKDPC; PC; Vitamin K Dependent Protein C; Inactivator Of Coagulation Factors Va And VIIIa; Autoprothrombin IIA; Blood coagulation factor XIV; Activation peptide; PROC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PROC. No significant cross-reactivity or interference between PROC and analogues was observed.
Sequence Length	461
Samples	Plasma.
Assay Type	Sandwich
Detection Range	1.25-80ng/mL
Sensitivity	0.54ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PROC 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 PROC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PROC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PROC in human plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PROC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PROC. 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 PROC, 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 PROC 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

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.