

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

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CATALOG #
AAA140322

REACTIVITY
Human

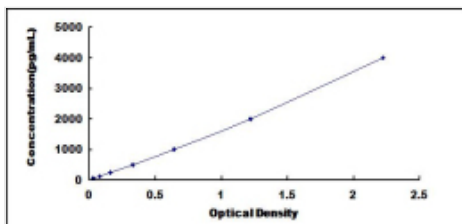
PRODUCT SYNONYMS

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 Protein C (PROC). No significant cross-reactivity or interference between Protein C (PROC) and analogues was observed.
Sequence Length	516
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	62.5-4,000pg/mL
Sensitivity	28.1pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein C (PROC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein C (PROC) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 PROC elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein C (PROC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein C (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 Protein C (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 Protein C (PROC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PROC elisa kit	Enzyme & Kinase; Hematology; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	265668
NCBI GeneID	5624
UniProt Accession #	P04070; Q15189; Q15190; Q16001; Q53S74; Q9UC55; B4DPQ7
Molecular Weight	57,556 Da
NCBI Official Full Name	protein C, partial
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.