

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

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CATALOG #
AAA66235

REACTIVITY
Rat

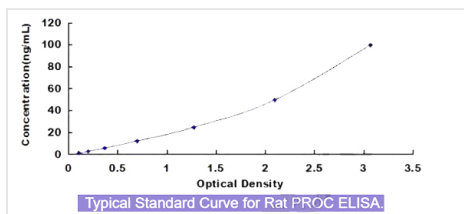
PRODUCT SYNONYMS

Protein C (PROC); Rat 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	Rat
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
Assay Type	Quantitative Sandwich
Samples	Rat plasma
Detection Range	1.56-100ng/mL
Sensitivity	< 0.42ng/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	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. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PROC in rat plasma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981412
NCBI GeneID	25268
NCBI Accession #	NP_036935.1
NCBI GenBank Nucleotide #	NM_012803.1
UniProt Accession #	P31394
Molecular Weight	51,912 Da
NCBI Official Full Name	vitamin K-dependent protein C
NCBI Official Synonym Full Names	protein C
NCBI Official Symbol	Proc
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.