

Human Protein C ELISA Kit | Protein C elisa kit

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CATALOG #
AAA87957

REACTIVITY
Human

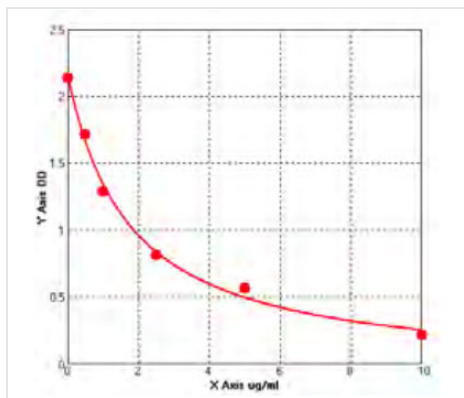
PRODUCT SYNONYMS

Protein C; Human Protein C ELISA Kit; Human Protein C (Protein C) ELISA Kit; Protein C (Human); Protein C 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PROC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Protein C elisa kit	Principle of the Assay: PROC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PROC antibody and an PROC-HRP conjugate. The assay sample and buffer are incubated together with PROC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PROC concentration since PROC from samples and PROC-HRP conjugate compete for the anti-PROC antibody binding site. Since the number of sites is limited, as more sites are occupied by PROC from the sample, fewer sites are left to bind PROC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PROC concentration in each sample is interpolated from this standard curve. Intended Uses: This PROC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PROC. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Protein C elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	265668
NCBI GeneID	5624
UniProt Accession #	P04070 ; Q15189 ; Q15190 ; Q16001 ; Q53S74 ; Q9UC55 ; Q6SPC0 ; Q6V7X8 ; Q6V7X9 ; Q8IXB4 ; Q8IXB5 ; Q8IXB6 ; Q8IXB7 ; Q8J002 ; Q8J003
Molecular Weight	52,071 Da
NCBI Official Full Name	protein C
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
NCBI Protein Information	vitamin K-dependent protein C; OTTHUMP00000162263; OTTHUMP00000203820; OTTHUMP00000203827; 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/human-elisa-kits/protein-c/87957>