

Rat Protein C ELISA Kit | Protein C elisa kit

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CATALOG #
AAA85618

REACTIVITY
Rat

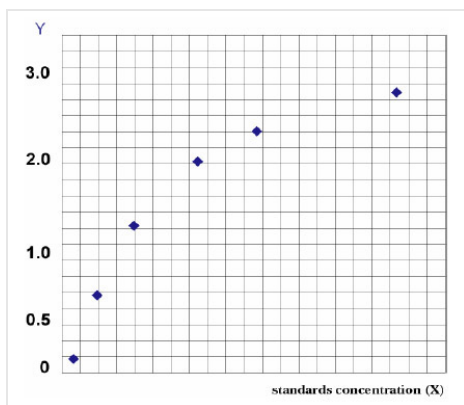
PRODUCT SYNONYMS

Protein C; Rat Protein C ELISA Kit; Rat Protein C (Protein C) ELISA Kit; Protein C (Rat); Protein C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
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

Intended Uses: This Protein C ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of Protein C in the sample, this Protein C ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus Protein C concentration. The concentration of Protein C in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This Protein C enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for Protein C. Standards or samples are then added to the microtiter plate wells and Protein C if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Protein C present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for Protein C are added to each well to "sandwich" the Protein C immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Protein C and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

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.