

Rat Protein S (PROS) ELISA Kit | PROS elisa kit

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CATALOG #
AAA151277

REACTIVITY
Rat

PRODUCT SYNONYMS

Protein S (PROS); Rat Protein S (PROS) ELISA Kit; PROS/Protein S; PSA; PS; PS26; PS21; PS22; PS23; PS24; PS25; VKDPS; VKDP-S; Protein Sa; Vitamin K Dependent Protein S; PROS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PROS. No significant cross-reactivity or interference between PROS and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat plasma
Detection Range	0.312-20ng/mL
Sensitivity	< 0.134ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PROS 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 PROS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for PROS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PROS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PROS. 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 PROS, 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 PROS 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 in vitro quantitative measurement of PROS in rat plasma.
Product Categories/Family for PROS elisa kit	Metabolic pathway; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709810
NCBI GeneID	81750
UniProt Accession #	P53813
Molecular Weight	73.9 kDa
NCBI Official Full Name	Vitamin K-dependent protein S
NCBI Official Synonym Full Names	protein S (alpha)
NCBI Official Symbol	Pros1
NCBI Protein Information	vitamin K-dependent protein S
UniProt Protein Name	Vitamin K-dependent protein S
UniProt Gene Name	Pros1
UniProt Synonym Gene Names	Pros
UniProt Entry Name	PROS_RAT

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://www.aaabiotech.com/rat-elisa-kits/protein-s-pros/151277>