

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

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CATALOG #
AAA331302

REACTIVITY
Human

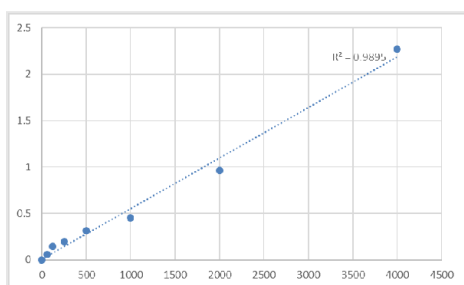
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein S (PROS) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROS. No significant cross-reactivity or interference between Human PROS and analogues was observed.
Sequence Length	650
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein S (PROS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PROS elisa kit	Description: This Human Protein S (PROS) ELISA Kit employs a two-site sandwich ELISA to quantitate PROS in samples. An antibody specific for PROS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PROS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PROS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein S is a vitamin K-dependent plasma glycoprotein synthesized in the endothelium. In the circulation, Protein S exists in two forms: a free form and a complex form bound to complement protein C4b. The best characterized function of Protein S is its role in the anti coagulation pathway, it functions as a cofactor to Protein C in the inactivation of Factors Va and VIIIa. Only the free form has cofactor activity. Protein S can bind to negatively charged phospholipids via the carboxylated GLA domain. This property allows Protein S to function in the removal of cells which are undergoing apoptosis. Apoptosis is a form of cell death that is used by the body to remove unwanted or damaged cells from tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190449
NCBI GeneID	5627
NCBI Official Full Name	protein S, partial
NCBI Official Synonym Full Names	protein S
NCBI Official Symbol	PROS1
NCBI Official Synonym Symbols	PSA; PROS; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6
NCBI Protein Information	vitamin K-dependent protein S

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/human-elisa-kits/protein-s-pros/331302>