

Serpin A5/PAI3 ELISA Kit | Serpina5 elisa kit

Human Serpin A5/PAI3 PicoKine ELISA Kit

CATALOG # AAA124876	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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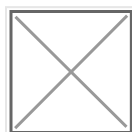
PRODUCT SYNONYMS

Serpin A5/PAI3; Human Serpin A5/PAI3 PicoKine ELISA Kit; Plasma serine protease inhibitor; Acrosomal serine protease inhibitor; Plasminogen activator inhibitor 3; PAI-3; PAI3; Protein C inhibitor; PCI; Serpin A5; SERPINA5; PLANH3; PROCI; Serpina5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human Serpin A5/PAI3
Sequence Length	406
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for Serpina5 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Serpina5 elisa kit	Principle of the Assay: Human Serpin A5/PAI3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Serpin A5/PAI3 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: E26-P406) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for Serpin A5/PAI3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Serpin A5/PAI3 amount of sample captured in plate. Background: Protein C inhibitor (PCI), also known as SERPINA5, is serine protease inhibitor of serpin type that is found in most tissues and fluids, including blood plasma, seminal plasma and urine of human. It is a 52kD glycoprotein and belongs to serine protease inhibitor (Serpine) super family of protein. This family member is a glycoprotein that can inhibit several serine proteases, including protein C and various plasminogen activators and kallikreins, and it thus plays diverse roles in hemostasis and thrombosis in multiple organs. This gene is mapped on the q arm of chromosome 14.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018472
NCBI GeneID	5104
NCBI Accession #	NP_000615.3
NCBI GenBank Nucleotide #	NM_000624.5
UniProt Accession #	P05154; Q07616; Q9UG30
Molecular Weight	45,675 Da
NCBI Official Full Name	plasma serine protease inhibitor preproprotein
NCBI Official Synonym Full Names	serpin family A member 5
NCBI Official Symbol	SERPINA5
NCBI Official Synonym Symbols	PCI; PAI3; PAI-3; PCI-B; PROC1; PLANH3
NCBI Protein Information	plasma serine protease inhibitor
UniProt Protein Name	Plasma serine protease inhibitor
UniProt Gene Name	SERPINA5
UniProt Synonym Gene Names	PCI; PLANH3; PROC1; PAI-3; PAI3; PCI

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/serpina5-human-elisa-kits/serpin-a5-pai3/124876>