

Human Plasma Serine Protease Inhibitor (SERPINA5) ELISA Kit | SERPINA5 elisa kit

Human Plasma Serine Protease Inhibitor (SERPINA5) ELISA Kit

CATALOG #
AAA330912

REACTIVITY
Human

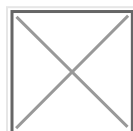
PRODUCT SYNONYMS

Plasma Serine Protease Inhibitor (SERPINA5); Human Plasma Serine Protease Inhibitor (SERPINA5) ELISA Kit; SERPINA5; PAI3; PCI; PLANH3; PROCI; plasminogen activator inhibitor1; plasminogen activator inhibitor-3; serine (or cysteine) proteinase inhibitor; clade A (alpha-1 antiproteinase; antitrypsin); member 5; SERPINA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Plasma serine protease inhibitor (SERPINA5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SERPINA5. No significant cross-reactivity or interference between Human SERPINA5 and analogues was observed.
Sequence Length	404
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 Plasma serine protease inhibitor (SERPINA5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SERPINA5 elisa kit	Description: This Human Plasma serine protease inhibitor (SERPINA5) ELISA Kit employs a two-site sandwich ELISA to quantitate SERPINA5 in samples. An antibody specific for SERPINA5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SERPINA5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINA5 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 SERPINA5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein C inhibitor (PCI, SERPINA5) is a serine protease inhibitor (serpin) which limits the expression of protein C.Suzuki et al. (1987) determined the sequence of cDNA for human protein C inhibitor (PCI). A high degree of homology of the deduced amino acid sequence to that of other known inhibitors clearly demonstrated that protein C inhibitor is a member of the superfamily of serine protease inhibitors including alpha-1-antichymotrypsin (AACT), alpha-1-antitrypsin (AAT; PI), antithrombin III (AT3), and angiotensinogen (AGT). Protein C inhibitor is sometimes referred to as plasminogen activator inhibitor-3 (PAI3) because it also inhibits plasminogen activators (Meijers and Chung, 1991). Plasminogen activator inhibitor-1 (PAI1) has structural similarities to PCI.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	28603766
NCBI GeneID	338050
NCBI Accession #	NP_788819.1
NCBI GenBank Nucleotide #	NP_788819.1
UniProt Accession #	Q9N2I2
NCBI Official Full Name	plasma serine protease inhibitor
NCBI Official Synonym Full Names	serpin family A member 5
NCBI Official Symbol	SERPINA5
NCBI Protein Information	plasma serine protease inhibitor
UniProt Protein Name	Plasma serine protease inhibitor
UniProt Gene Name	SERPINA5
UniProt Synonym Gene Names	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/plasma-serine-protease-inhibitor-serpina5/330912>