

Human Alpha-2-Plasmin Inhibitor (a2PI) ELISA Kit | a2PI elisa kit

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CATALOG #
AAA66985

REACTIVITY
Human

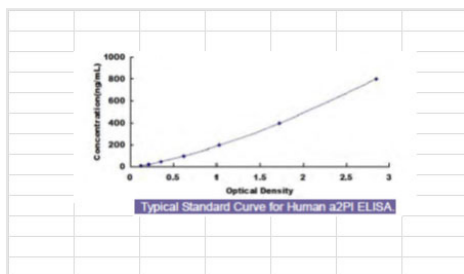
PRODUCT SYNONYMS

Alpha-2-Plasmin Inhibitor (a2PI); Human Alpha-2-Plasmin Inhibitor (a2PI) ELISA Kit; SERPINF2 AAP A2-PI API PLI A2AP Alpha 2 Antiplasmin Serpin Peptidase Inhibitor Clade F Member 2 Pigment Epithelium Derived Factor; a2PI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of a2PI. No significant cross-reactivity or interference between a2PI and analogues was observed.
Sequence Length	491
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	12.5-800ng/mL
Sensitivity	4.3ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level a2PI 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 a2PI were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a2PI elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of a2PI in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to a2PI. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to a2PI. 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 a2PI, 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 a2PI in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115583663
NCBI GeneID	5345
NCBI Accession #	NP_000925.2
NCBI GenBank Nucleotide #	NM_000934.3
UniProt Accession #	P08697; Q8N5U7; Q9UCG2; Q9UCG3; B4E1B7
Molecular Weight	47,907 Da
NCBI Official Full Name	alpha-2-antiplasmin isoform a
NCBI Official Synonym Full Names	serpin family F member 2
NCBI Official Symbol	SERPINF2
NCBI Official Synonym Symbols	AAP; API; PLI; A2AP; ALPHA-2-PI
NCBI Protein Information	alpha-2-antiplasmin
UniProt Protein Name	Alpha-2-antiplasmin
UniProt Gene Name	SERPINF2
UniProt Synonym Gene Names	AAP; PLI; Alpha-2-AP; Alpha-2-PI

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/human-elisa-kits/alpha-2-plasmin-inhibitor-a2pi/66985>