

Rat Alpha 2-Antiplasmin (a2PI) ELISA Kit | a2PI elisa kit

Rat Alpha 2-Antiplasmin (a2PI)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152393

REACTIVITY
Rat

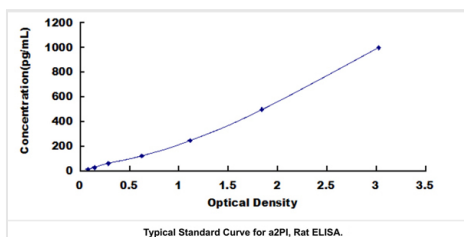
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.0pg/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a2PI elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to a2PI. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of a2PI in rat serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58865362
NCBI GeneID	287527
NCBI Accession #	NP_001011892.1
NCBI GenBank Nucleotide #	NM_001011892.1
UniProt Accession #	Q68FT8
Molecular Weight	54,893 Da
NCBI Official Full Name	alpha-2-antiplasmin
NCBI Official Synonym Full Names	serpin family F member 2
NCBI Official Symbol	Serpinf2
NCBI Protein Information	alpha-2-antiplasmin
UniProt Protein Name	RCG33981, isoform CRA_a
UniProt Gene Name	Serpinf2

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.