

Rat Alpha-1-Antitrypsin (a1AT) RTU ELISA Kit | a1AT rtu elisa kit

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CATALOG #
AAA68775

REACTIVITY
Rat

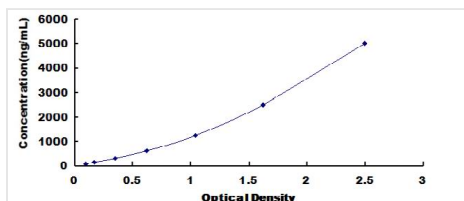
PRODUCT SYNONYMS

Alpha-1-Antitrypsin (a1AT); Rat Alpha-1-Antitrypsin (a1AT) ELISA Kit; SERPINA1; SPAAT; A1-AT; PI; Serpin Peptidase Inhibitor; Clade A(Alpha-1 Antiproteinase/AntiTrypsin)Member 1; Alpha-1 protease inhibitor; Short peptide from AAT; Serpin A1; a1AT rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	411
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	78.1-5000ng/mL
Sensitivity	29ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a1AT rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to a1AT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to a1AT. 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 a1AT, 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 $\pm$ 10nm. The concentration of a1AT in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51036655
NCBI GeneID	24648
NCBI Accession #	NP_071964.2
NCBI GenBank Nucleotide #	NM_022519.2
UniProt Accession #	P17475; Q6AYZ5
Molecular Weight	46,136 Da
NCBI Official Full Name	alpha-1-antiproteinase
NCBI Official Synonym Full Names	serpin family A member 1
NCBI Official Symbol	Serpina1
NCBI Official Synonym Symbols	Pi; AAT; Spi1
NCBI Protein Information	alpha-1-antiproteinase
UniProt Protein Name	Alpha-1-antiproteinase
UniProt Gene Name	Serpina1

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/rat-rtu-elisa-kits/alpha-1-antitrypsin-a1at/68775>