

Human Alpha 1 Antitrypsin ELISA Kit | Alpha 1 AT elisa kit

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CATALOG #
AAA91177

REACTIVITY
Human

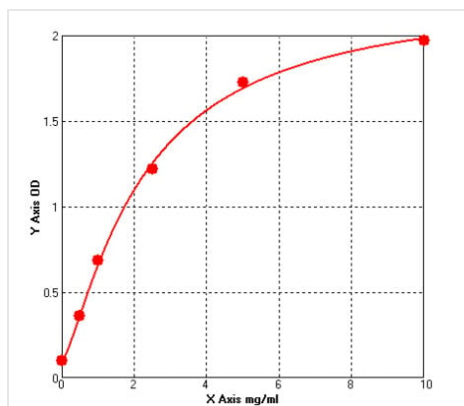
PRODUCT SYNONYMS

Alpha 1 Antitrypsin; Human Alpha 1 Antitrypsin ELISA Kit; Alpha 1 AT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of alpha1AT. No significant cross-reactivity or interference between alpha1AT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between alpha1AT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 mg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Alpha 1 AT elisa kit	Principle of the Assay: alpha1AT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for alpha1AT. Standards or samples are then added to the microtiter plate wells and alpha1AT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of alpha1AT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for alpha1AT are added to each well to "sandwich" the alpha1AT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain alpha1AT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha1AT concentration in each sample is interpolated from this standard curve. Intended Uses: This alpha1AT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human alpha1AT. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Alpha 1 AT elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2804195
Molecular Weight	45,729 Da
NCBI Official Full Name	alpha1-antitrypsin
UniProt Protein Name	Alpha-1-antiproteinase
UniProt Entry Name	A1AT_CALCIN

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/alpha-1-at-human-elisa-kits/alpha-1-antitrypsin/91177>