

Mouse alpha1 Antitrypsin ELISA Kit | alpha1-AT elisa kit

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CATALOG #
AAA90976

REACTIVITY
Mouse

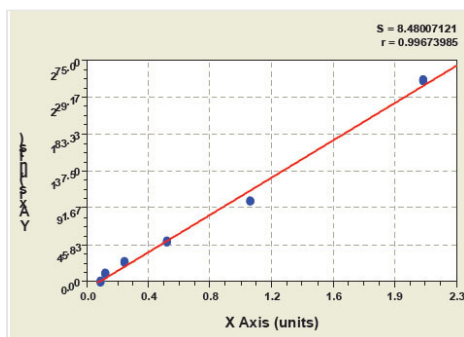
PRODUCT SYNONYMS

alpha1 Antitrypsin; Mouse alpha1 Antitrypsin ELISA Kit; Mouse a1 Antitrypsin ELISA Kit; alpha1-AT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This A1-AT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse A1-AT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha1-AT elisa kit

Principle of the Assay: A1-AT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for A1-AT. Standards or samples are then added to the microtiter plate wells and A1-AT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of A1-AT present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for A1-AT are added to each well to "sandwich" the A1-AT 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 A1-AT 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 A1-AT concentration in each sample is interpolated from this standard curve.

Product Categories/Family for alpha1-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/alpha1-at-mouse-elisa-kits/alpha1-antitrypsin/90976>