

Rat alpha1-AT ELISA Kit | alpha1-AT elisa kit

Rat alpha1-AT (Alpha 1-Antitrypsin) ELISA Kit

CATALOG #
AAA165983

REACTIVITY
Rat

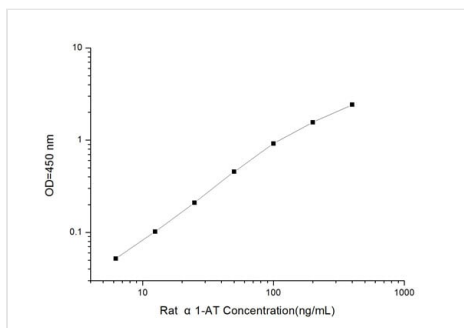
PRODUCT SYNONYMS

alpha1-AT; Rat alpha1-AT (Alpha 1-Antitrypsin) ELISA Kit; alpha1-AT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat alpha1-AT. No significant cross-reactivity or interference between Rat alpha1-AT and analogues was observed.
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	6.25-400ng/mL
Sensitivity	Min: 3.75ng/mL; Max: 400ng/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat alpha1-AT concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha1-AT elisa kit

Principle of the assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to alpha1-AT. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for alpha1-AT and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain alpha1-AT, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of alpha1-AT. You can calculate the concentration of alpha1-AT in the samples by comparing the OD of the samples to the standard curve.

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-elisa-kits/alpha1-at/165983>