

Rat A1AT (alpha 1-Antitrypsin) ELISA Kit | A1AT elisa kit

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CATALOG #
AAA249404

REACTIVITY
Rat

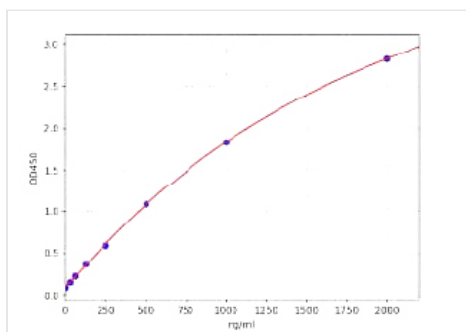
PRODUCT SYNONYMS

A1AT (alpha 1-Antitrypsin); Rat A1AT (alpha 1-Antitrypsin) ELISA Kit; alpha1-AT; A1AT; alpha 1-Antitrypsin; Serpin A1; alpha 1-Proteinase Inhibitor; A1A; AATMGC23330; Alpha-1 protease inhibitor; Alpha-1-antiproteinase; alpha-1-antitrypsin; antitrypsin; A1AT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of A1AT. No significant cross-reactivity or interference between A1AT and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000ng/ml
Sensitivity	18.75ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A1AT elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

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
UniProt Entry Name	A1AT_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/a1at-alpha-1-antitrypsin/249404>