

Human Alpha 1-Antitrypsin ELISA Kit | SERPINA1 elisa kit

Human alpha 1-Antitrypsin ELISA Kit

CATALOG # AAA14471	REACTIVITY Human
------------------------------	----------------------------

PRODUCT SYNONYMS

Alpha 1-Antitrypsin; Human alpha 1-Antitrypsin ELISA Kit; Human Alpha 1-Antitrypsin; SERPINA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human biological samples
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for SERPINA1 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Alpha 1-Antitrypsin (A1T) present in samples reacts with the anti-A1T antibodies, which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-A1T antibodies conjugated with horseradish peroxidase (HRP) are added. These enzyme-labeled antibodies form complexes with the previously bound A1T. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of A1T in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of A1T in the test sample. The quantity of A1T in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Intended Uses: The A1T test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring A1T in human biological samples. If the ELISA is to be used outside the intended use, the user may need to optimize for said use.
Product Categories/Family for SERPINA1 elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	177831
NCBI GeneID	5265
UniProt Accession #	P01009 ; Q0PVP5 ; Q13672 ; Q53XB8 ; Q5U0M1 ; Q7M4R2 ; Q86U18 ; Q86U19 ; Q96BF9 ; Q96ES1 ; A6PX14 ; B2RDQ8 ; Q13747 ; Q2L9S7 ; Q3I0J7 ; Q9P173
Molecular Weight	46,737 Da
NCBI Official Full Name	alpha-1-antitrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
NCBI Official Symbol	SERPINA1
NCBI Official Synonym Symbols	PI; A1A; AAT; PI1; A1AT; MGC9222; PRO2275; MGC23330; alpha1AT

NCBI Protein Information	alpha-1-antitrypsin; serpin A1; OTTHUMP00000197150; OTTHUMP00000197151; OTTHUMP00000197152; OTTHUMP00000197153; OTTHUMP00000197154; alpha-1-antiproteinase; alpha-1 protease inhibitor; protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin; serine (or cysteine) proteinase inhibitor, clade A, member 1
UniProt Protein Name	Alpha-1-antitrypsin
UniProt Gene Name	SERPINA1
UniProt Synonym Gene Names	AAT; PI
UniProt Entry Name	A1AT_HUMAN

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/human-elisa-kits/alpha-1-antitrypsin/14471>