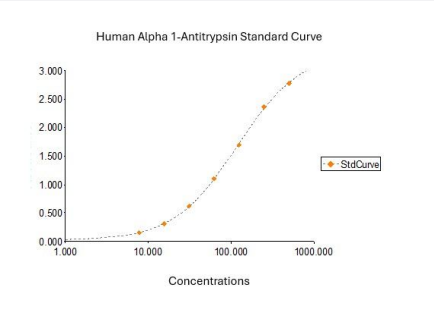
Alpha 1-Antitrypsin (Human) ELISA Kit (Quantitative)

Catalog # KA7367 Size 1 Kit

Applications



Quantification

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Alpha 1-Antitrypsin (Human) ELISA Kit is a kit used for the quantitative measurement of Alpha 1-Antitrypsin in human biological sample.
Suitable Sample	Plasma, Serum, Urine
Size	96 Well
Absorbance (nm)	450/650
Detection Method	Colorimetric
Assay type	Quantitative
Calibration Range	7.81 to 500 ng/mL
Limit of Detection	1.094 ng/mL
Host	Goat
Reactivity	Human
Regulation Status	For research use only (RUO)

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Quality Control Testing	Standard curve
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

  The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Gene Info — SERPINA1

Entrez GeneID	5265
Gene Name	SERPINA1
Gene Alias	A1A, A1AT, AAT, MGC23330, MGC9222, PI, PI1, PRO2275
Gene Description	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
Omim ID	107400 606963
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin|serine (or cysteine) proteinase inhibitor, clade A, member 1|serine proteinase inhibitor, clade A, member 1

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Acute Disease

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- Acute-Phase Reaction
- Adenocarcinoma
- Airway Obstruction
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Aortic Stenosis
- Arterial Occlusive Diseases
- Asbestosis
- Asthma
- Atherosclerosis
- Bacterial Infections
- Brain Ischemia
- Bronchiectasis
- Bronchitis
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery
- Cerebrovascular Accident
- Chronic Disease
- Cluster Headache
- Colonic Neoplasms
- Common Variable Immunodeficiency
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis

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- Cough
- Cystic fibrosis
- Diabetes Mellitus
- Disease Progression
- Dyspnea
- Edema
- Emphysema
- Fatty Liver
- Fetal Death
- Fibromuscular Dysplasia
- Gaucher disease
- Genetic Diseases
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hepatitis C
- Hereditary hemochromatosis
- HIV Infections
- Hypersensitivity
- Hypertension
- Immunologic Deficiency Syndromes
- Inflammation
- Iron Overload
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Diseases

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- Lung Neoplasms
- Mycobacterium Infections
- Myocardial Infarction
- Myocardial Ischemia
- Nasal Polyps
- Occupational Diseases
- Pancreatitis
- Penile Induration
- Periodontitis
- Peripheral Vascular Diseases
- Pneumonia
- Pregnancy Complications
- Pseudomonas Infections
- Pulmonary Disease
- Pulmonary Emphysema
- Recurrence
- Respiratory Tract Infections
- Rhinitis
- Sarcoidosis
- Scoliosis
- Sinusitis
- Smoke Inhalation Injury
- Thromboembolism
- Thrombophilia
- Thrombosis
- Tobacco Use Disorder

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- Tuberculosis
- Venous Thrombosis
- Vertebral Artery Dissection
- Williams Syndrome

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