

Product Datasheet

Human Serpin A1/alpha 1-Antitrypsin ELISA Kit (Colorimetric) KA0459

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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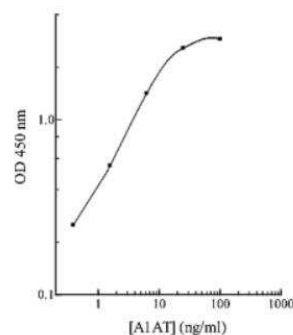
KA0459**Human Serpin A1/alpha 1-Antitrypsin ELISA Kit (Colorimetric)**

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Description	SERPINA1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human SERPINA1.
Gene ID	5265
Gene Symbol	SERPINA1
Species	Human
Kit Components	Human alpha-1-Antitrypsin Microplate: A polystyrene microplate (12 strips of 8 wells) coated with a polyclonal antibody against human A1AT., Sealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay., Human alpha-1-Antitrypsin Standard: Human A1AT in a buffered protein base, lyophilized., Biotinylated Human alpha-1-Antitrypsin Antibody (70x): A 70-fold biotinylated polyclonal antibody against human A1AT., MIX Diluent Concentrate (10x): A 10-fold concentrated buffered protein base., Wash Buffer Concentrate (20x): A 20-fold concentrated buffered surfactant., Streptavidin-Peroxidase Conjugate (SP Conjugate): A 100-fold concentrate., Chromogen Substrate: A ready-to-use stabilized peroxidase chromogen substrate tetramethylbenzidine., Stop Solution: A 0.5 N hydrochloric acid to stop the chromogen substrate reaction.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0.391 to 25 ng/mL
Sensitivity	0.31 ng/mL
Inter Assay	CV% < 7.10%
Intra Assay	CV% < 4.10%
Assay Type	Sandwich ELISA
Spiking Recovery	98.50%
Suitable Sample Type	Cell Culture Supernatant, Cell Lysate, CSF, Milk, Plasma, Saliva, Serum, Urine
Sample Volume	50 uL
Product Application Details	
Applications	ELISA, Quantification
Recommended Dilutions	ELISA, Quantification



Images

ELISA: Serpin A1/alpha 1-Antitrypsin ELISA Kit [Biotin] [KA0459] - Standard curve



Publications

Jun B, Jia-Yong Z, Wang L et al. iTRAQ-based proteomic analysis reveals potential regulatory networks in dust mite-related asthma treated with subcutaneous allergen immunotherapy. Mol Med Rep. 2020-09-01 [PMID: 32901873]

Strange C, Stoller JK, Sandhaus RA et al. Results of a survey of patients with alpha-1 antitrypsin deficiency. Respiration 2005-08-03 [PMID: 16141711]

Abboud RT, Ford GT, Chapman KR. et al. Emphysema in alpha1-antitrypsin deficiency: does replacement therapy affect outcome? Treat Respir Med 2005-01-01 [PMID: 15725045]

Chappell S, Guetta-Baranes T, Batowski K et al. Haplotypes of the alpha-1 antitrypsin gene in healthy controls and Z deficiency patients. Hum Mutat 2004-12-01 [PMID: 15532029]



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Products Related to KA0459

NBC1-18549	Recombinant Human Serpin A1/alpha 1-Antitrypsin Protein
210-TA-005	TNF-alpha [Unconjugated]
MAB1268-100	Serpin A1/alpha 1-Antitrypsin Antibody (202808) [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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