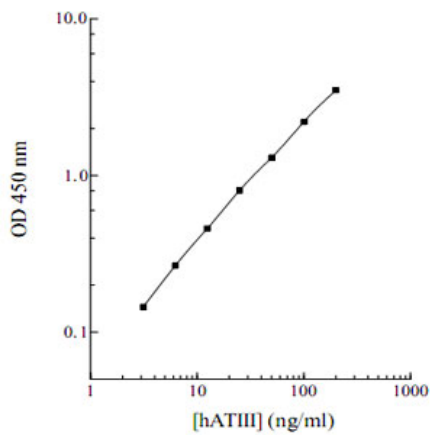
SERPINC1 (Human) ELISA Kit

Catalog # KA0456 Size 1 Kit

Applications



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	SERPINC1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human SERPINC1.
Suitable Sample	Cell Culture Samples, Milk, Saliva, Urine, CSF
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	3.125 to 200 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

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Applications

- Quantification

Gene Info — SERPINC1

Entrez GeneID	462
Gene Name	SERPINC1
Gene Alias	AT3, ATIII, MGC22579
Gene Description	serpin peptidase inhibitor, clade C (antithrombin), member 1
Omim ID	107300
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin. More than 120 mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency. [provided by RefSeq
Other Designations	OTTHUMP00000035393|antithrombin (aa 375-432)|antithrombin III|coding sequence signal peptide antithrombin part 1|serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1|signal peptide antithrombin part 1

Publication Reference

- Coagulation and fibrinolysis parameters in type 2 diabetic patients with and without diabetic vascular complications.

  Erem C, Hacihasanoglu A, Celik S, Ovali E, Ersoz HO, Ukinc K, Deger O, Telatar M.

  Medical Principles and Practice 2005 Jan; 14(1):22.

  Application: Quant, Human, Blood from type 2 diabetic patients

- Antithrombin III inhibits nuclear factor kappaB activation in human monocytes and vascular endothelial cells.

  Oelschlager C, Romisch J, Staubitz A, Stauss H, Leithauser B, Tillmanns H, Holschermann H.

  Blood 2002 Jun; 99(11):4015.

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- [Are there certified indications for the use of antithrombin III in intensive care].

  Kulka PJ, Tryba M, Lange S.

  Anasthesiologie, Intensivmedizin, Notfallmedizin, Schmerztherapie : AINS 2001 Mar; 36(3):143.

  Application: Quant, Human, Serum, Plasma

Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Alzheimer disease
- Antithrombin III Deficiency
- Birth Weight
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Thrombosis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Leukemia
- Meningeal Neoplasms
- Meningioma

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- Metabolic Syndrome X
- Myocardial Infarction
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Thrombophilia
- Venous Thrombosis

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