

ARG83482 Rat Antithrombin III ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83482 Rat Antithrombin III ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Antithrombin III in Plasma, Serum and Urine
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	Antithrombin III
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	6.25 ng/ml
Sample Type	Plasma, Serum and Urine
Standard Range	12.5 - 400 ng/ml
Sample Volume	100 µl
Alternate Names	SERPINC1; Serpin Family C Member 1; ATIII; AT3; Serine (Or Cysteine) Proteinase Inhibitor, Clade C (Antithrombin), Member 1; Serpin Peptidase Inhibitor, Clade C (Antithrombin), Member 1; Antithrombin-III; MGC22579; Coding Sequence Signal Peptide Antithrombin Part 1; Serpin Peptidase Inhibitor Clade C Member 1; Signal Peptide Antithrombin Part 1; Antithrombin (Aa 375-432); Antithrombin III; Serpin C1; ATIII-R2; ATIII-T1; ATIII-T2; THPH7; AT3D

Application Instructions

Assay Time 2 hours

Properties

Form	96 well
Storage instruction	Store the kit at 4°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SERPINC1
Gene Full Name	serpin peptidase inhibitor, clade C (antithrombin), member 1
Background	The protein encoded by this gene, antithrombin III, 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. Numerous mutations have been identified for this gene, many of which are known to cause antithrombin-III

deficiency which constitutes a strong risk factor for thrombosis. A reduction in the serum level of this protein is associated with severe cases of Coronavirus Disease 19 (COVID-19).

Function	Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade.
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	Secreted