

Human Alpha-1-Antichymotrypsin (a1ACT) RTU ELISA Kit | a1ACT rtu elisa kit

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CATALOG #
AAA68768

REACTIVITY
Human

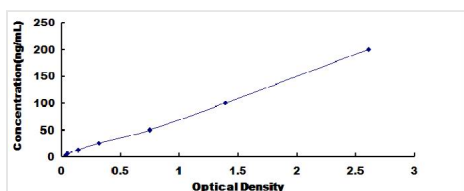
PRODUCT SYNONYMS

Alpha-1-Antichymotrypsin (a1ACT); Human Alpha-1-Antichymotrypsin (a1ACT) ELISA Kit; A1-ACT; SERPINA3; AACT; ACT; GIG24; GIG25; Serpin Peptidase Inhibitor Clade A Member 3(Alpha-1 Antiproteinase; Antitrypsin); Cell growth-inhibiting gene 24/25 protein; a1ACT rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	423
Assay Type	Sandwich
Samples	Serum, Plasma or Other Biological Fluids.
Detection Range	3.12-200ng/mL
Sensitivity	1.42ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for a1ACT rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to a1ACT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to a1ACT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain a1ACT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of a1ACT in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2
NCBI GenBank Nucleotide #	NM_001085.4
UniProt Accession #	P01011; Q13703; Q2TU87; Q2TU88; Q59GP9; Q6LBY8; Q6LDT7; Q6NSC9; Q8N177; Q96DW8; Q9UC47; B3KVVQ7
Molecular Weight	10,717 Da
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin family A member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25
NCBI Protein Information	alpha-1-antichymotrypsin
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; ACT

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.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/alpha-1-antichymotrypsin-a1act/68768>