

Human Alpha-1-antichymotrypsin ELISA Kit | SERPINA3 elisa kit

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CATALOG #
AAA100127

REACTIVITY
Human

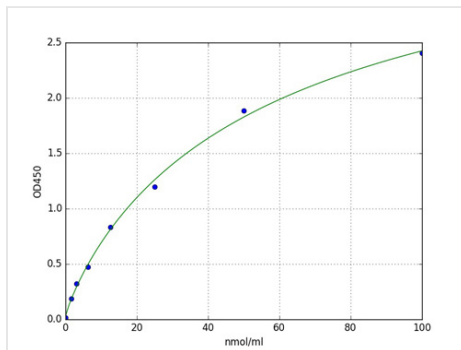
PRODUCT SYNONYMS

Alpha-1-antichymotrypsin; Human Alpha-1-antichymotrypsin ELISA Kit; SERPINA3/ACT/ACTGIG25/alpha-1-antichymotrypsin/antitrypsin); member 3/Cell growth-inhibiting gene 24/25 protein/growth-inhibiting protein 24/growth-inhibiting protein 25/member 3/serine (or cysteine) proteinase inhibitor; clade A (alpha-1 antiproteinase/serine (or cysteine) proteinase inhibitor; clade A; member 3/Serpin A3/serpin peptidase inhibitor; clade A (alpha-1 antiproteinase; antitrypsin); SERPINA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	423
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100nmol/ml
Sensitivity	0.938nmol/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human SERPINA3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	umol/L	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.059	0.109	0.142	0.249	0.446	0.833	1.489	2.479

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINA3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human SERPINA3antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SERPINA3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SERPINA3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration ofHuman SERPINA3can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2
NCBI GenBank Nucleotide #	NM_001085.4
Molecular Weight	10,717 Da
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), 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
UniProt Entry Name	AACT_HUMAN

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/serpina3-human-elisa-kits/alpha-1-antichymotrypsin/100127>