

Human Alpha 1 Antichymotrypsin, AACT ELISA Kit | SERPINA3 elisa kit

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CATALOG #
AAA244683

REACTIVITY
Human

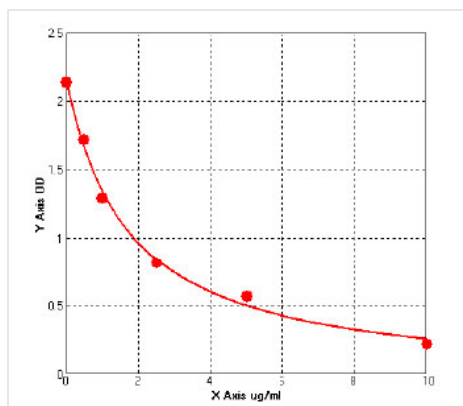
PRODUCT SYNONYMS

Alpha 1 Antichymotrypsin; AACT; Human Alpha 1 Antichymotrypsin; AACT ELISA Kit; SERPINA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of A1AT. No significant cross-reactivity or interference between A1AT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between A1AT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 mg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINA3 elisa kit	Intended Uses: This A1AT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human A1AT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: A1AT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-A1AT antibody and an A1AT-HRP conjugate. The assay sample and buffer are incubated together with A1AT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the A1AT concentration since A1AT from samples and A1AT-HRP conjugate compete for the anti-A1AT antibody binding site. Since the number of sites is limited, as more sites are occupied by A1AT from the sample, fewer sites are left to bind A1AT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The A1AT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SERPINA3 elisa kit	Neuroscience

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; serpin A3; growth-inhibiting protein 24; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein; serine (or cysteine) proteinase inhibitor, clade A, member 3
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; GIG24; GIG25; 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.