

Human Elastase 3A (ELA3A) ELISA Kit | ELA3A elisa kit

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CATALOG #
AAA137493

REACTIVITY
Human

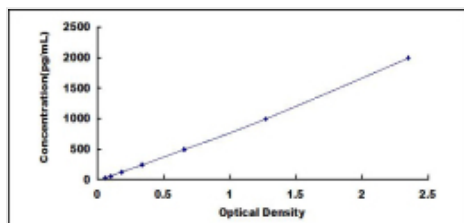
PRODUCT SYNONYMS

Elastase 3A (ELA3A); Human Elastase 3A (ELA3A) ELISA Kit; CELA3A; ELA3; Chymotrypsin-Like Elastase Family Member 3A; Protease E; ELA3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Elastase 3A (ELA3A). No significant cross-reactivity or interference between Elastase 3A (ELA3A) and analogues was observed.
Sequence Length	267
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Elastase 3A (ELA3A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Elastase 3A (ELA3A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ELA3A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Elastase 3A (ELA3A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Elastase 3A (ELA3A). 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 Elastase 3A (ELA3A), 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 ± 10nm. The concentration of Elastase 3A (ELA3A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ELA3A elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119615407
NCBI GeneID	10136
UniProt Accession #	P09093; Q9BRW4; B1AQ53
Molecular Weight	29,489 Da
NCBI Official Full Name	elastase 3A, pancreatic, isoform CRA_b
NCBI Official Synonym Full Names	chymotrypsin-like elastase family, member 3A
NCBI Official Symbol	CELA3A
NCBI Official Synonym Symbols	ELA3; ELA3A
NCBI Protein Information	chymotrypsin-like elastase family member 3A
UniProt Protein Name	Chymotrypsin-like elastase family member 3A
UniProt Gene Name	CELA3A
UniProt Synonym Gene Names	ELA3; ELA3A
UniProt Entry Name	CEL3A_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/human-elisa-kits/elastase-3a-ela3a/137493>