

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

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CATALOG #
AAA67559

REACTIVITY
Human

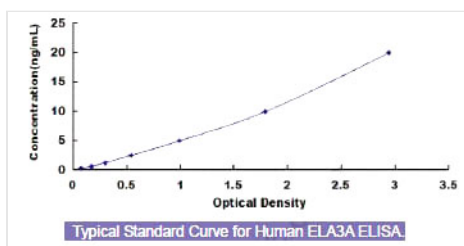
PRODUCT SYNONYMS

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 ELA3A. No significant cross-reactivity or interference between ELA3A and analogues was observed.
Sequence Length	270
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA3A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ELA3A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ELA3A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELA3A in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ELA3A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ELA3A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	236460050
NCBI GeneID	10136
NCBI Accession #	NP_005738.4
NCBI GenBank Nucleotide #	NM_005747.4
UniProt Accession #	P09093; Q9BRW4; B1AQ53
Molecular Weight	29,489 Da
NCBI Official Full Name	chymotrypsin-like elastase family member 3A preproprotein
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

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.