

Human Elastase 3B (ELA3B) ELISA Kit | ELA3B elisa kit

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CATALOG #
AAA65055

REACTIVITY
Human

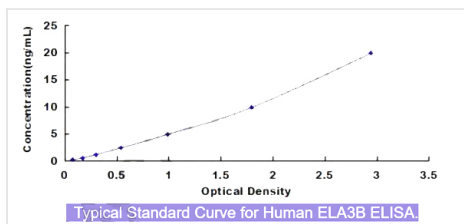
PRODUCT SYNONYMS

Elastase 3B (ELA3B); Human Elastase 3B (ELA3B) ELISA Kit; CELA3B; Chymotrypsin Like Elastase Family Member 3B; Protease E; Fecal Elastase; Elastase 1; Cholesterol-Binding Pancreatic Protease; Pancreatic Endopeptidase E; ELA3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA3B. No significant cross-reactivity or interference between ELA3B and analogues was observed.
Sequence Length	270
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.135ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA3B 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 ELA3B 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 ELA3B elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ELA3B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ELA3B. 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 ELA3B, 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 ELA3B in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ELA3B in human serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6679625
NCBI GeneID	23436
NCBI Accession #	NP_031378.1
NCBI GenBank Nucleotide #	NM_007352.3
UniProt Accession #	P08861; P11423; Q5VU28; Q5VU29; Q5VU30; B2RE44
Molecular Weight	29,263 Da
NCBI Official Full Name	chymotrypsin-like elastase family member 3B preproprotein
NCBI Official Synonym Full Names	chymotrypsin like elastase family member 3B
NCBI Official Symbol	CELA3B
NCBI Official Synonym Symbols	CBPP; ELA3B
NCBI Protein Information	chymotrypsin-like elastase family member 3B
UniProt Protein Name	Chymotrypsin-like elastase family member 3B
UniProt Gene Name	CELA3B
UniProt Synonym Gene Names	ELA3B

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/elastase-3b-ela3b/65055>