

Human Elastase 2B (ELA2B) ELISA Kit | ELA2B elisa kit

Human Elastase 2B (ELA2B) ELISA Kit

CATALOG #
AAA66271

REACTIVITY
Human

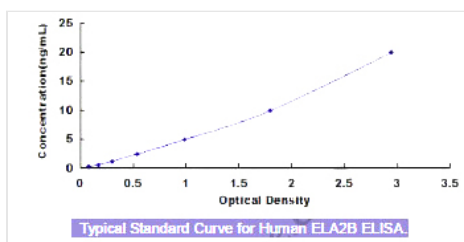
PRODUCT SYNONYMS

Elastase 2B (ELA2B); Human Elastase 2B (ELA2B) ELISA Kit; CELA2B; Chymotrypsin-Like Elastase Family Member 2B; Pancreatic Elastase IIB; ELA2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA2B. No significant cross-reactivity or interference between ELA2B and analogues was observed.
Sequence Length	269
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA2B 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 ELA2B 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 ELA2B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELA2B 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 ELA2B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ELA2B. 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 ELA2B, 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 ELA2B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331211
NCBI GeneID	51032
NCBI Accession #	NP_056933.2
NCBI GenBank Nucleotide #	NM_015849.2
UniProt Accession #	Q6ISP9; P08218
Molecular Weight	28,810 Da
NCBI Official Full Name	chymotrypsin-like elastase family member 2B preproprotein
NCBI Official Synonym Full Names	chymotrypsin like elastase family member 2B
NCBI Official Symbol	CELA2B
NCBI Official Synonym Symbols	ELA2B
NCBI Protein Information	chymotrypsin-like elastase family member 2B
UniProt Protein Name	Elastase 2B
UniProt Gene Name	ELA2B

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.