

Mouse Elastase 1, Pancreatic (ELA1) ELISA Kit | ELA1 elisa kit

Mouse Elastase 1, Pancreatic (ELA1) ELISA Kit

CATALOG #
AAA138318

REACTIVITY
Mouse

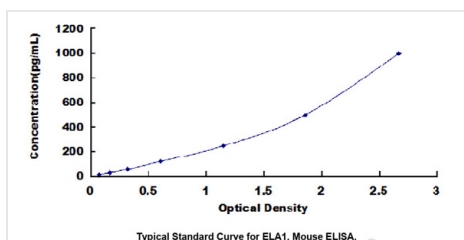
PRODUCT SYNONYMS

Elastase 1; Pancreatic (ELA1); Mouse Elastase 1; Pancreatic (ELA1) ELISA Kit; PE; CELA1; Chymotrypsin-Like Elastase Family; Member 1; ELA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA1. No significant cross-reactivity or interference between ELA1 and analogues was observed.
Sequence Length	258
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA1 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 ELA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 ELA1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ELA1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ELA1. 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 ELA1, 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 ELA1 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 in vitro quantitative measurement of ELA1 in mouse serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for ELA1 elisa kit	Enzyme & Kinase; Infection immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119578593
NCBI GeneID	1990
UniProt Accession #	Q9UNI1; Q5MLF0; Q6DJT0; Q6ISM6
Molecular Weight	27,798 Da
NCBI Official Full Name	elastase 1, pancreatic
NCBI Official Synonym Full Names	chymotrypsin-like elastase family, member 1
NCBI Official Symbol	CELA1
NCBI Official Synonym Symbols	ELA1
NCBI Protein Information	chymotrypsin-like elastase family member 1
UniProt Protein Name	Chymotrypsin-like elastase family member 1
UniProt Gene Name	CELA1
UniProt Synonym Gene Names	ELA1
UniProt Entry Name	CELA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/elastase-1-pancreatic-ela1/138318>