

Mouse Elastase 2A (ELA2A) ELISA Kit | ELA2A elisa kit

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CATALOG #
AAA68116

REACTIVITY
Mouse

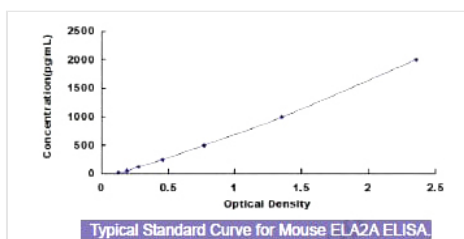
PRODUCT SYNONYMS

Elastase 2A (ELA2A); Mouse Elastase 2A (ELA2A) ELISA Kit; ELA2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA2A. No significant cross-reactivity or interference between ELA2A and analogues was observed.
Sequence Length	271
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	12.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA2A 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 ELA2A 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 ELA2A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELA2A in mouse 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 ELA2A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ELA2A. 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 ELA2A, 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 ELA2A 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 #	6681297
NCBI GeneID	13706
NCBI Accession #	NP_031945.1
NCBI GenBank Nucleotide #	NM_007919.3
UniProt Accession #	P05208
Molecular Weight	28,914 Da
NCBI Official Full Name	chymotrypsin-like elastase family member 2A preproprotein
NCBI Official Synonym Full Names	chymotrypsin-like elastase family, member 2A
NCBI Official Symbol	Cela2a
NCBI Official Synonym Symbols	Ela2; Ela-2; Ela2a
NCBI Protein Information	chymotrypsin-like elastase family member 2A
UniProt Protein Name	Chymotrypsin-like elastase family member 2A
UniProt Gene Name	Cela2a
UniProt Synonym Gene Names	Ela-2; Ela2; Ela2a

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.