

Rat Elastase 2, Neutrophil (ELA2) ELISA Kit | ELA2 elisa kit

Rat Elastase 2, Neutrophil (ELA2) ELISA Kit

CATALOG #
AAA65566

REACTIVITY
Rat

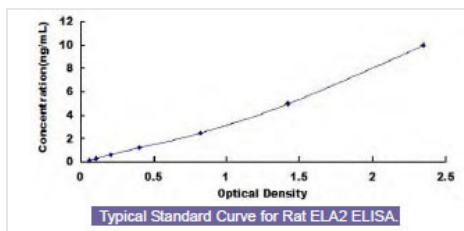
PRODUCT SYNONYMS

Elastase 2; Neutrophil (ELA2); Rat Elastase 2; Neutrophil (ELA2) ELISA Kit; ELANE; HLE; HNE; NE; PMN-E; Neutrophil Elastase; Medullasin; Polymorphonuclear Leukocyte Elastase; Bone Marrow Serine Protease; Human Leukocyte Elastase; PMN Elastase; ELA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA2. No significant cross-reactivity or interference between ELA2 and analogues was observed.
Sequence Length	271
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.069ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELA2 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 ELA2 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 ELA2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELA2 in rat 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 ELA2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ELA2. 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 ELA2, 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 ELA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	157820929
NCBI GeneID	299606
NCBI Accession #	NP_001100237.1
NCBI GenBank Nucleotide #	NM_001106767.1
UniProt Accession #	D4A488
Molecular Weight	29,557 Da
NCBI Official Full Name	neutrophil elastase
NCBI Official Synonym Full Names	elastase, neutrophil expressed
NCBI Official Symbol	Elane
NCBI Official Synonym Symbols	Ela2
NCBI Protein Information	neutrophil elastase
UniProt Protein Name	Elastase 2, neutrophil (Predicted)
UniProt Gene Name	Elane

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.