

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

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CATALOG #
AAA66391

REACTIVITY
Canine

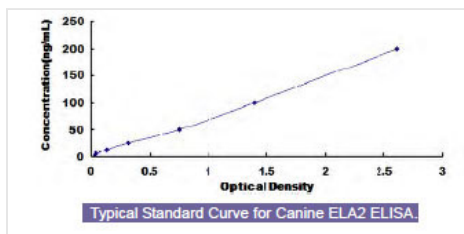
PRODUCT SYNONYMS

Elastase 2; Neutrophil (ELA2); Canine 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	Canine
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	282
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.23ng/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 canine serum, plasma 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50979246
NCBI GeneID	442980
NCBI Accession #	NP_001003378.1
NCBI GenBank Nucleotide #	NM_001003378.2
UniProt Accession #	Q8MJD1; F1PF12
Molecular Weight	29,921 Da
NCBI Official Full Name	neutrophil elastase
NCBI Official Symbol	ELANE
NCBI Official Synonym Symbols	ELA2
NCBI Protein Information	neutrophil elastase
UniProt Protein Name	Neutrophil elastase
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.