

Canine Neutrophil Elastase ELISA Kit | NE elisa kit

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CATALOG #
AAA90350

REACTIVITY
Canine

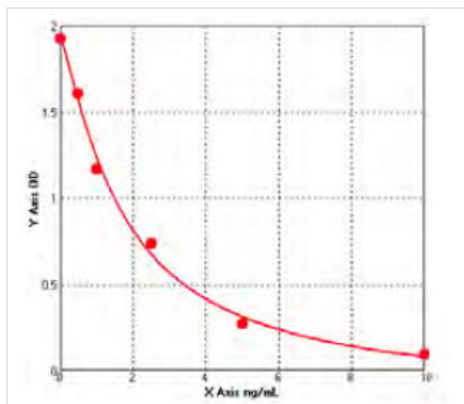
PRODUCT SYNONYMS

Neutrophil Elastase; Canine Neutrophil Elastase ELISA Kit; NE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of NE. No significant cross-reactivity or interference between NE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NE and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NE elisa kit	Principle of the Assay: NE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NE antibody and an NE-HRP conjugate. The assay sample and buffer are incubated together with NE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NE concentration since NE from samples and NE-HRP conjugate compete for the anti-NE antibody binding site. Since the number of sites is limited, as more sites are occupied by NE from the sample, fewer sites are left to bind NE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NE concentration in each sample is interpolated from this standard curve. Intended Uses: This NE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine NE. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NE elisa kit	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503549
NCBI GeneID	1991
NCBI Accession #	NP_001963.1
NCBI GenBank Nucleotide #	NM_001972.2
Molecular Weight	28,518 Da
NCBI Official Full Name	neutrophil elastase preproprotein
NCBI Official Synonym Full Names	elastase, neutrophil expressed
NCBI Official Symbol	ELANE
NCBI Official Synonym Symbols	GE; NE; HLE; HNE; ELA2; SCN1; PMN-E
NCBI Protein Information	neutrophil elastase; elastase-2; medullasin; PMN elastase; leukocyte elastase; elastase 2, neutrophil; human leukocyte elastase; polymorphonuclear elastase; bone marrow serine protease; granulocyte-derived elastase
UniProt Protein Name	Neutrophil elastase
UniProt Gene Name	ELANE
UniProt Synonym Gene Names	ELA2; HLE
UniProt Entry Name	ELNE_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.

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Online datasheet: <https://stage.aaabiotech.com/ne-canine-elisa-kits/neutrophil-elastase/90350>