

Human Neutrophil Elastase ELISA Kit | NE elisa kit

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CATALOG #
AAA16289

REACTIVITY
Human

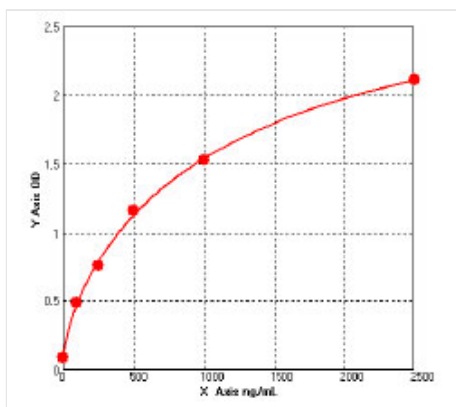
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
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

Intended Uses: This NE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of CanineNE. This ELISA kit for research use only!

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.

Product Categories/Family for NE elisa kit	Microbiology
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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-human-elisa-kits/neutrophil-elastase/16289>