

Rabbit Leukocyte elastase ELISA Kit | HLE elisa kit

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CATALOG #
AAA85034

REACTIVITY
Rabbit

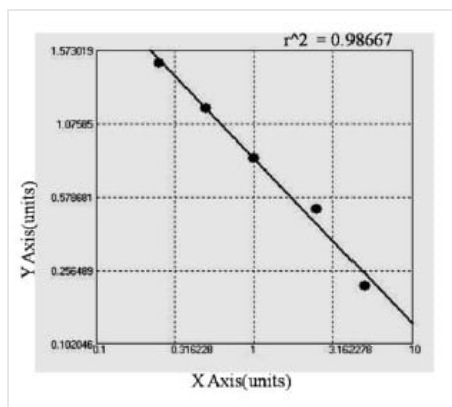
PRODUCT SYNONYMS

Leukocyte elastase; Rabbit Leukocyte elastase ELISA Kit; HLE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich (Quantitative)
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 HLE elisa kit

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

Principle of the Assay: HLE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HLE antibody and an HLE-HRP conjugate. The assay sample and buffer are incubated together with HLE-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 HLE concentration since HLE from samples and HLE-HRP conjugate compete for the anti-HLE antibody binding site. Since the number of sites is limited, as more sites are occupied by HLE from the sample, fewer sites are left to bind HLE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HLE concentration in each sample is interpolated from this standard curve.

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/hle-rabbit-elisa-kits/leukocyte-elastase/85034>