

Chicken Leukocyte elastase ELISA Kit | HLE elisa kit

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CATALOG #
AAA94624

REACTIVITY
Chicken

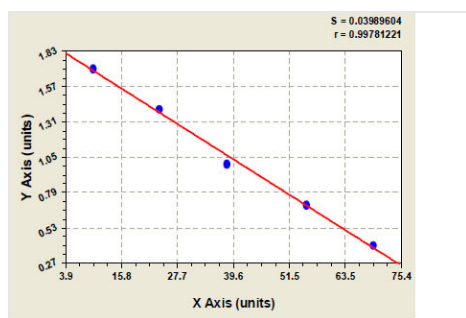
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



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 Chicken 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.

Product Categories/Family for HLE elisa kit

Neurobiology

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://www.aaabiotech.com/hle-chicken-elisa-kits/leukocyte-elastase/94624>