

Human Elastase ELISA Kit | Elastase elisa kit

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CATALOG #
AAA86254

REACTIVITY
Human

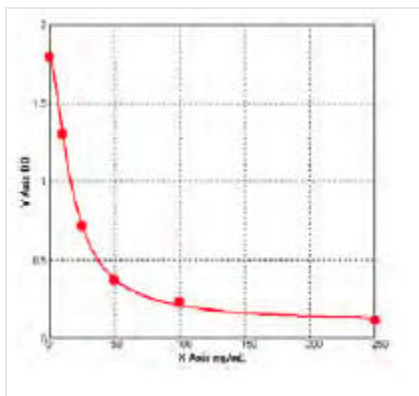
PRODUCT SYNONYMS

Elastase; Human Elastase ELISA Kit; Elastase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ELA. No significant cross-reactivity or interference between ELA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ELA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Elastase elisa kit	Intended Uses: This ELA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ELA. This ELISA kit for research use only! Principle of the Assay: ELA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ELA antibody and an ELA-HRP conjugate. The assay sample and buffer are incubated together with ELA-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 ELA concentration since ELA from samples and ELA-HRP conjugate compete for the anti-ELA antibody binding site. Since the number of sites is limited, as more sites are occupied by ELA from the sample, fewer sites are left to bind ELA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Elastase elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	845581
Molecular Weight	31,271 Da
NCBI Official Full Name	elastase
UniProt Protein Name	Elastase
UniProt Entry Name	Q25510_MANSE

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/human-elisa-kits/elastase/86254>