

Rat Elastase ELISA Kit | Elastase elisa kit

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CATALOG #
AAA85616

REACTIVITY
Rat

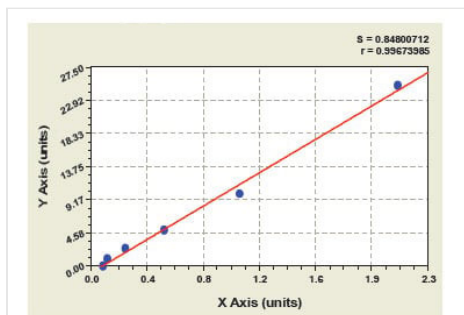
PRODUCT SYNONYMS

Elastase; Rat Elastase ELISA Kit; Elastase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This Elastase ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Elastase. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Elastase elisa kit

Principle of the Assay: Elastase ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Elastase. Standards or samples are then added to the microtiter plate wells and Elastase if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Elastase present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for Elastase are added to each well to "sandwich" the Elastase immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Elastase and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Elastase concentration in each sample is interpolated from this standard curve.

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/rat-elisa-kits/elastase/85616>