

Bovine Elastase ELISA Kit | Elastase elisa kit

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CATALOG #
AAA97396

REACTIVITY
Bovine

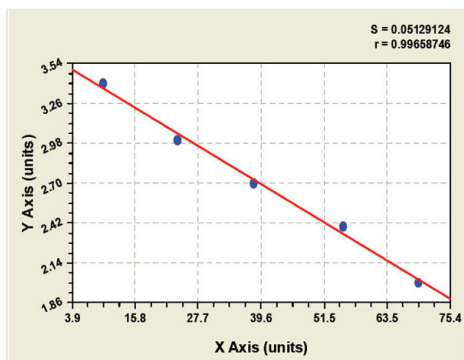
PRODUCT SYNONYMS

Elastase; Bovine Elastase ELISA Kit; Elastase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This ELASTASE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ELASTASE. This ELISA kit for research use only, not for therapeutic applications
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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 competitive enzyme immunoassay technique utilizing a monoclonal anti-ELASTASE antibody and an ELASTASE-HRP conjugate. The assay sample and buffer are incubated together with ELASTASE-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 ELASTASE concentration since ELASTASE from samples and ELASTASE-HRP conjugate compete for the anti-ELASTASE antibody binding site. Since the number of sites is limited, as more sites are occupied by ELASTASE from the sample, fewer sites are left to bind ELASTASE-HRP conjugate. 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/bovine-ovine-elisa-kits/elastase/97396>