

Guinea Pig Matrilysin ELISA Kit | MAT elisa kit

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CATALOG #
AAA85942

REACTIVITY
Guinea Pig

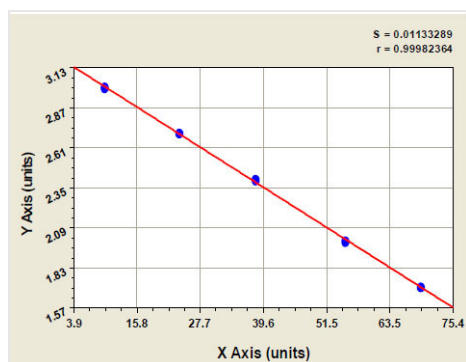
PRODUCT SYNONYMS

Matrilysin; Guinea pig Matrilysin ELISA Kit; MAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This Matrilysin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig Matrilysin. 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 MAT elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	33338767
Molecular Weight	28,934 Da
NCBI Official Full Name	Mat
UniProt Protein Name	Mat
UniProt Gene Name	mat
UniProt Entry Name	Q71TG2_BPP1

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/mat-guinea-pig-pig-elisa-kits/matrilysin/85942>