

Human Ribonuclease A ELISA Kit | RNaseA elisa kit

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CATALOG #
AAA83219

REACTIVITY
Human

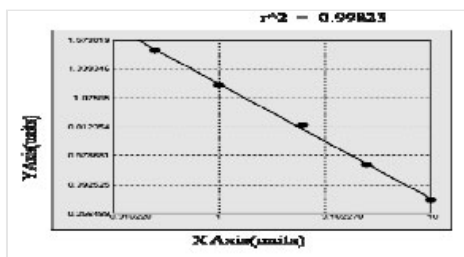
PRODUCT SYNONYMS

Ribonuclease A; Human Ribonuclease A ELISA Kit; RNaseA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RNaseA elisa kit

Intended Uses: This RNase A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RNase A. This ELISA kit for research use only!

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

Product Categories/Family for RNaseA elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	641937
Molecular Weight	17,644 Da
NCBI Official Full Name	ribonuclease A
UniProt Protein Name	Ribonuclease pancreatic
UniProt Gene Name	RNASE1
UniProt Synonym Gene Names	RIB1; RNS1; RNase 1; RNase A
UniProt Entry Name	RNAS1_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://stage.aaabiotech.com/rnasea-human-elisa-kits/ribonuclease-a/83219>