

Human Ribonuclease Inhibitor ELISA Kit | RI elisa kit

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CATALOG #
AAA85675

REACTIVITY
Human

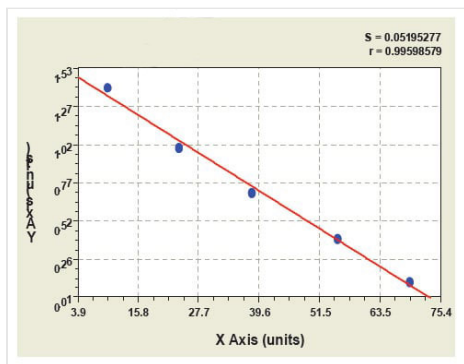
PRODUCT SYNONYMS

Ribonuclease Inhibitor; Human Ribonuclease Inhibitor ELISA Kit; RI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This RI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RI. 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 RI elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	42822874
NCBI GeneID	6050
NCBI Accession #	NP_976319.1
NCBI GenBank Nucleotide #	NM_203385.1
Molecular Weight	49,973 Da
NCBI Official Full Name	ribonuclease inhibitor
NCBI Official Synonym Full Names	ribonuclease/angiogenin inhibitor 1
NCBI Official Symbol	RNH1
NCBI Official Synonym Symbols	RAI; RNH
NCBI Protein Information	ribonuclease inhibitor; placental RNase inhibitor; placental ribonuclease inhibitor
UniProt Protein Name	Ribonuclease inhibitor
UniProt Gene Name	RNH1
UniProt Synonym Gene Names	PRI; RNH; Placental RNase inhibitor; RAI
UniProt Entry Name	RINI_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.