Human Ribonuclease III, Nuclear (RNASEN) ELISA Kit | RNASEN elisa kit

Human Ribonuclease III, Nuclear (RNASEN) ELISA Kit

CATALOG #	REACTIVITY
AAA139405	**Human**

PRODUCT SYNONYMS

Ribonuclease III; Nuclear (RNASEN); Human Ribonuclease III; Nuclear (RNASEN) ELISA Kit; RnaseIII; RNASE3L; Rnase-III; Etohi2; DROSHA; RN3; RNASE3-L; Ribonuclease Type III; Double-Stranded RNA-Specific Endoribonuclease; RNASEN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ribonuclease III, Nuclear (RNASEN). No significant cross-reactivity or interference between Ribonuclease III, Nuclear (RNASEN) and analogues was observed.
Sequence Length	1,337
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ribonuclease III, Nuclear (RNASEN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ribonuclease III, Nuclear (RNASEN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RNASEN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ribonuclease III, Nuclear (RNASEN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ribonuclease III, Nuclear (RNASEN). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ribonuclease III, Nuclear (RNASEN), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ribonuclease III, Nuclear (RNASEN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RNASEN elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	155030236
NCBI GeneID	29102
NCBI Accession #	NP_001093882.1
NCBI GenBank Nucleotide #	NM_001100412.1
UniProt Accession #	Q9NRR4; Q7Z5V2; Q86YH0; Q9NW73; Q9Y2V9; Q9Y4Y0; E7EMP9
Molecular Weight	155,333 Da
NCBI Official Full Name	ribonuclease 3 isoform 2
NCBI Official Synonym Full Names	drosha, ribonuclease type III
NCBI Official Symbol	DROSHA
NCBI Official Synonym Symbols	RN3; ETOHI2; RNASEN; RANSE3L; RNASE3L; HSA242976
NCBI Protein Information	ribonuclease 3
UniProt Protein Name	Ribonuclease 3
UniProt Gene Name	**DROSHA**
UniProt Synonym Gene Names	RN3; RNASE3L; RNASEN; RNase III
UniProt Entry Name	RNC_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/human-elisa-kits/ribonuclease-iii-nuclear-rnasen/139405