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Datasheet for ABIN6962278 RNASET2 ELISA Kit

Image



#### Overview

Quantity:	96 tests
Target:	RNASET2
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.31 ng/mL - 20 ng/mL
Minimum Detection Limit:	0.31 ng/mL
Application:	ELISA

# Product Details

Purpose:	The kit is a sandwich enzyme immunoassay technique for the in vitro quantitative measurement in various sample types.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This kit recognizes Human RNASET2 in samples. No Significant cross-reactivity or interference between Human RNASET2 and analogues was observed.
Sensitivity:	0.19 ng/mL
Components:	<ul> <li>Pre-coated, ready to use 96-well strip plate, flat buttom</li> <li>Plate sealer for 96 wells</li> <li>Reference Standard</li> </ul>

• Reference Standard & Sample Diluent

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- Biotinylated Detection Antibody (100 x concentrate)
- HRP Conjugate (100 x concentrate)
- Biotinylated Detection Antibody Diluent
- HRP Conjugate Diluent
- Substrate Reagent
- Stop Solution
- Wash Buffer (25 x concentrate)
- Instruction manual

# Target Details

Target:	RNASET2
Alternative Name:	Ribonuclease T2 (RNASET2 Products)

## Application Details

Sample Volume:	100 µL
Assay Time:	3.5 h
Plate:	Pre-coated
Protocol:	<ol> <li>Add 100 μL standard or sample to each well. Incubate for 90 min at 37 °C.</li> <li>Remove the liquid. Add 100 μL Biotinylated Detection Antibody. Incubate for 1 hour at 37 °C.</li> <li>Aspirate and wash 3 times.</li> <li>Add 100 μL HRP Conjugate. Incubate for 30 min at 37 °C.</li> <li>Aspirate and wash 5 times.</li> <li>Add 90 μL Substrate Reagent. Incubate for 15 min at 37 °C.</li> <li>Add 50 μL Stop Solution. Read at 450 nm immediately.</li> <li>Calculation of results.</li> </ol>
Reagent Preparation:	<ol> <li>Bring all reagents to room temperature (18~25 °C) before use. Follow the Microplate reader manual for set-up and preheat it for 15 min before OD measurement.</li> <li>Wash Buffer: Dilute 30 mL of Concentrated Wash Buffer with 720 mL of deionized or distilled water to prepare 750 mL of Wash Buffer.Note: if crystals have formed in the concentrate, warm it in a 40 °C water bath and mix it gently until the crystals have completely dissolved</li> <li>Standard working solution: Centrifuge the standard at 10,000xg for 1 min. Add 1.0 mL of Reference Standard &amp;Sample Diluent, let it stand for 10 min and invert it gently several times. After it dissolves fully, mix it thoroughly with a pipette. This reconstitution produces a working solution of 20 ng/mL. Then make serial dilutions as needed. The recommended dilution gradient is as follows: 20, 10, 5, 2.5, 1.25, 0.63, 0.31, 0 ng/mL. Dilution method: Take 7 EP tubes, add 500 µLof Reference Standard &amp; Sample Diluent to each tube. Pipette 500 µLof the 20 ng/mL working solution to the first tube and mix up to produce a 10 ng/mL working</li> </ol>

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	<ul> <li>solution. Pipette 500 μLof the solution from the former tube into the latter one according to these steps. The illustration below is for reference. Note: the last tube is regarded as a blank. Don't pipette solution into it from the former tube.</li> <li>4. Biotinylated Detection Antibody working solution: Calculate the required amount before the experiment (100 μL/well). In preparation, slightly more than calculated should be prepared. Centrifuge the stock tube before use, dilute the 100x Concentrated Biotinylated Detection Antibody to 1xworking solution with Biotinylated Detection Antibody Diluent.</li> <li>5. Concentrated HRP Conjugate working solution: Calculate the required amount before the experiment (100 μL/well). In preparation, slightly more than calculated should be prepared. Dilute the 100x Concentrated HRP Conjugate working solution: Calculate the required amount before the experiment (100 μL/well). In preparation, slightly more than calculated should be prepared.</li> </ul>
Sample Preparation:	<ul> <li>Conjugate Diluent.</li> <li>It is recommended to use fresh samples without long storage, otherwise protein degradation and denaturationmay occur in these samples, leading to false results. Samples should</li> </ul>
	therefore be stored for a short periodat 2 - 8 °C or aliquoted at -20 °C (≤1 month) or -80 °C (≤
	3 months). Repeated freeze-thawcycles should be avoided. Prior to assay, the frozen samples should be slowly thawed and centrifuged toremove precipitates.
	<ul> <li>If the sample type is not specified in the instructions, a preliminary test is necessary to</li> </ul>
	determinecompatibility with the kit.
	• If a lysis buffer is used to prepare tissue homogenates or cell culture supernatant, there is a
	possibility of causing a deviation due to the introduced chemical substance. The
	<ul><li>recommended dilution factor is for reference only.</li><li>Please estimate the concentration of the samples before performing the test. If the values</li></ul>
	are not in therange of the standard curve, the optimal sample dilution for the particular experiment has to be determined. Samples should then be diluted with PBS (pH =7.0-7.2).
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level
	Human RNASET2 were tested 20 times on one plate, respectively.
	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high leve
	Human RNASET2 were tested on 3 different plates, 20 replicates in each plate.
	Both intra-CV and inter-CV are < 10 $\%$ .
Restrictions:	For Research Use only
Handling	
Storage:	4 °C,-20 °C
Storage Comment:	1. For unopened kit: All reagents should be stored according to the labels on the vials, so they are stable up to 6 months after receipt of the kit. The Reference Standard, Biotinylated Detection Antibody, HRP Conjugate and the 96-well stripe plate should be stored at -20 °C upon receipt while the other reagents should be stored at 4 °C.
	2 For used kit. When the kit is used, the remaining reagents need to be stored according to the

2. For used kit: When the kit is used, the remaining reagents need to be stored according to the

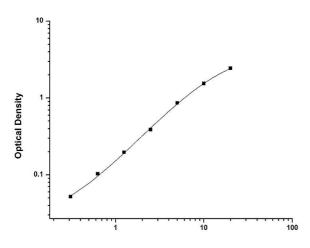
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Image 1. Typical standard curve

**ELISA** 

Expiry Date:

## Images



6 months

Human RNASET2 concentration(ng/mL)

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