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Datasheet for ABIN1572950 Ubiquitin ELISA Kit

Image



Overview

Quantity:	96 tests			
Target:	Ubiquitin			
Reactivity:	Cow			
Method Type:	Sandwich ELISA			
Detection Range:	0.156 ng/mL - 10 ng/mL			
Minimum Detection Limit:	0.156 ng/mL			
Application:	ELISA			

Product Details

Purpose:	The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of Ub in bovine serum, plasma and other biological fluids.			
Sample Type:	Plasma, Serum			
Analytical Method:	Quantitative			
Detection Method:	Colorimetric			
Specificity:	This assay has high sensitivity and excellent specificity for detection of this index.			
Cross-Reactivity (Details):	No significant cross-reactivity or interference between this index and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between this index and all the analogues, therefore, cross reaction may still exist.			
Sensitivity:	0.059 ng/mL			

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Product Details

Components:	 Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Stop Solution Wash Buffer (30X) Plate sealer for 96 wells Instruction manual
Material not included:	 Microplate reader with 450 ± 10nm filter. Precision single or multi-channel pipettes and disposable tips. Eppendorf Tubes for diluting samples. Deionized or distilled water. Absorbent paper for blotting the microtiter plate. Container for Wash Solution.

Target Details

Target:	Ubiquitin		
Alternative Name:	Ubiquitin (Ub) (Ubiquitin Products)		
Background:	Alternative name: Ubiquitin B, UbB, Ubiquitous Immunopoietic Polypeptide, Polyubiquitin B		
Pathways:	Mitotic G1-G1/S Phases, Ubiquitin Proteasome Pathway		

Application Details

Sample Volume:	100 µL			
Assay Time:	1 - 4.5 h			
Plate:	Pre-coated			
Protocol:	1. Prepare all reagents, samples and standards			
	2. Add 100µL standard or sample to each well. Incubate 2 hours at 37°C			
	3. Aspirate and add 100 μ L prepared Detection Reagent A. Incubate 1 hour at 37°C			
	4. Aspirate and wash 3 times			
	5. Add 100µL prepared Detection Reagent B. Incubate 1 hour at 37°C			
	6. Aspirate and wash 5 times			

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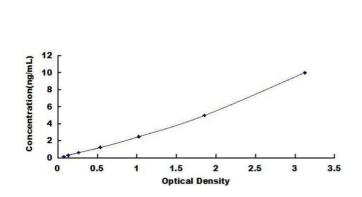
Application Details					
	7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37°C				
	8. Add 50µL Stop Solution. Read at 450nm immediately.				
Assay Procedure:	The microtiter plate provided in this kit has been pre-coated with an antibody specific to the				
	index. Standards or samples are then added to the appropriate microtiter plate wells with a				
	biotin-conjugated antibody preparation specific to the index. 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 the index, 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 \pm 10nm. The concentration of the index in				
	the samples is then determined by comparing the O.D. of the samples to the standard curve.				
Assay Precision:	 Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level the index were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 				
	the index were tested on 3 different plates, 8 replicates in each plate.				
	 CV(%) = SD/meanX100 Intra-assay: CV&It10% 				
	Inter-assay: CV&It12%				
Restrictions:	For Research Use only				
Handling					
Precaution of Use:	The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, face, and clothing protection when using this material.				
Handling Advice:	The stability of ELISA 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 conditions. Note: To minimize				
	unnecessary influences on the performance, operation procedures and lab conditions,				
	especially room temperature, air humidity and incubator temperatures should be strictly				
	regulated. It is also strongly suggested that the whole assay is performed by the same				
	experimenter from the beginning to the end.				
Storage:	4 °C,-20 °C				
Storage Comment:	The Assay Plate, Standard, Detection Reagent A and Detection Reagent B should be stored at -				
	20°C upon being received. After receiving the kit , Substrate should be always stored at				
	4°C.Other reagents are kept according to the labels on vials. But for long term storage, please				
	keep the whole kit at -20°C. The unused strips should be kept in a sealed bag with the desiccan				

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Expiry Date:

12 months

Images



ELISA			
Image 1.			