Datasheet for ABIN6244358

Cyclin B1 ELISA Kit

3 Images

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Overview

Quantity:	96 tests
Target:	Cyclin B1 (CCNB1)
Binding Specificity:	pSer126, total
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-Cyclin B1 (Ser126) and Total Cyclin B1 ELISA Kit. This assay semi-quantitatively measures Cyclin B1 phosphorylated at Serine-126 as well as total Cyclin B1 in cell lysate samples.
Sample Type:	Cell Samples, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human Cyclin B1 phosphorylated at site Serine-126 as well as total Cyclin B1.
Characteristics:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Anti-Phospho Antibody • Anti-Pan Antibody • HRP-Conjugated Secondary Antibody • Streptavidin-Conjugated HRP

Product Details

	• Assay Diluent • TMB One-Step Substrate • Stop Solution • Lysis Buffer • Positive Control Sample
Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Anti-Phospho Antibody • Anti-Pan Antibody • HRP-Conjugated Secondary Antibody • Streptavidin-Conjugated HRP • Assay Diluent • TMB One-Step Substrate • Stop Solution • Lysis Buffer • Positive Control Sample
Material not included:	• Distilled or deionized water • 100 mL and 1 liter graduated cylinders • Tubes to prepare sample dilutions • Protease and Phosphatase inhibitors • Precision pipettes to deliver 2 µL to 1 mL volumes • Adjustable 1-25 mL pipettes for reagent preparation • Benchtop rocker or shaker • Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target:	Cyclin B1 (CCNB1)
Alternative Name:	Cyclin B1 (CCNB1 Products)
Gene ID:	891
UniProt:	P14635
Pathways:	Cell Division Cycle, AMPK Signaling, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated

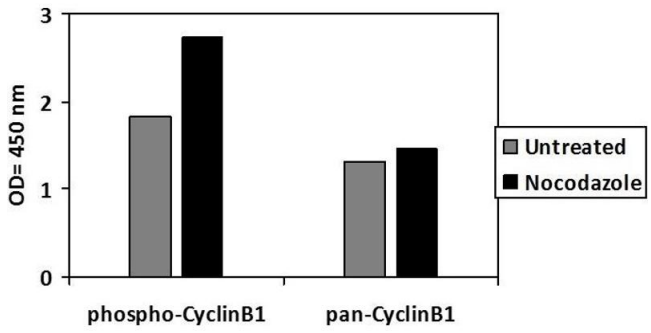
Application Details

Protocol:	1. Prepare all reagents and samples as instructed in the manual. 2. Add 100 µL of sample or positive control to each well. 3. Incubate 2.5 h at RT or O/N at 4 °C. 4. Add 100 µL of prepared primary antibody to each well. 5. Incubate 1 h at RT. 6. Add 100 µL of prepared 1X HRP-Streptavidin to each well. 7. Incubate 1 h at RT. 8. Add 100 µL of TMB One-Step Substrate Reagent to each well. 9. Incubate 30 min at RT. 10. Add 50 µL of Stop Solution to each well. 11. Read at 450 nm immediately.
Restrictions:	For Research Use only

Handling

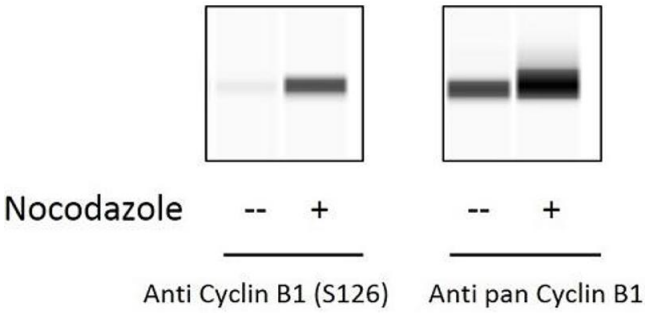
Storage:	-20 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.
Expiry Date:	6 months

Images



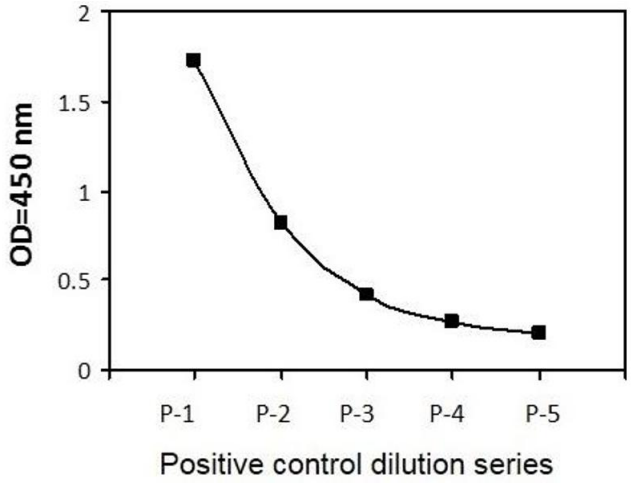
ELISA

Image 1. HeLa cells were untreated or treated with Nocodazole for 20 hours. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 2. HeLa cells were untreated or treated with Nocodazole for 20 hours. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 3. HeLa cells were treated with Nocodazole at 37°C for 20 hours. Cells were solubilzed at 4 x 10^7 cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.