Datasheet for ABIN6730567

ABL1 ELISA Kit

3 Images

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Overview

Quantity:	96 tests
Target:	ABL1
Binding Specificity:	pTyr245
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-c-Abl (Tyr245) ELISA Kit. This assay semi-quantitatively measures c-Abl phosphorylated at Tyrosine-245 in cell lysate samples.
Sample Type:	Cell Samples, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human c-Abl phosphorylated at site Tyrosine-245.
Characteristics:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Anti-Phospho Antibody • HRP-Conjugated Secondary Antibody • Assay Diluent • TMB One-Step Substrate • Stop Solution • Lysis Buffer

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Product Details

	• Positive Control Sample
Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Anti-Phospho Antibody • HRP-Conjugated Secondary Antibody • 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:	ABL1
Alternative Name:	c-Abl (ABL1 Products)
Gene ID:	25
UniProt:	P00519
Pathways:	Apoptosis, Regulation of Muscle Cell Differentiation, Platelet-derived growth Factor Receptor Signaling, Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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.

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Application Details

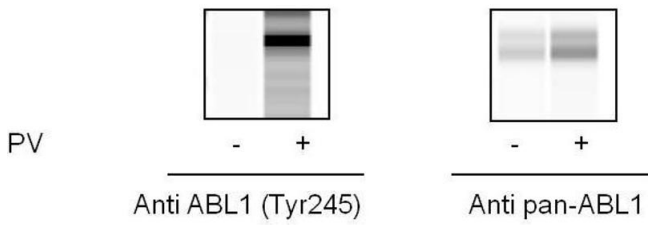
7. Incubate 1 h at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions:	For Research Use only

Handling

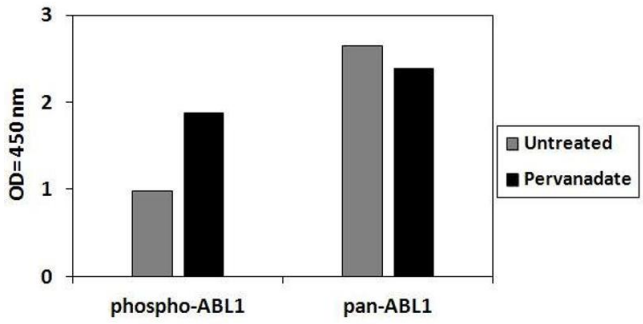
Storage:	-20 °C
Storage Comment:	Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item 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



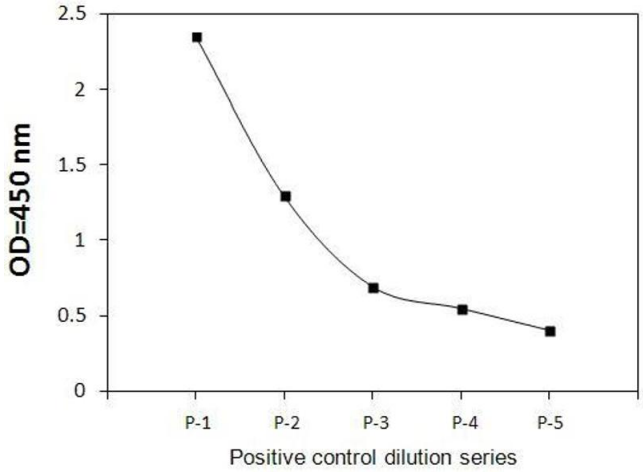
ELISA

Image 1. Jurkat cells were treated with Pervanadate. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 2. Jurkat cells were treated with Pervanadate. Cell lysates were analyzed using this phosphoELISA and Western Blot.



ELISA

Image 3. Jurkat cells were treated with Pervanadate. Solubilize cells at 4 x 10^7 cells/ml in Cell Lysate Buffer. Serial dilutions of lysates were analyzed in this ELISA.

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