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Datasheet for ABIN5690739

CDK1 ELISA Kit

Overview

Quantity:	96 tests
Target:	CDK1
Reactivity:	Human, Rat, Mouse
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human, Mouse, and Rat Phospho-CDK1 (Y15) Cell-Based ELISA Kit. This assay semi-quantitatively measures CDK1 phosphorylated at Tyrosine-15 in adherent cell lines.
Sample Type:	Cell Culture Cells
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibodies provided in this kit recognizes Human CDK1 phosphorylated at site Tyrosine-15.
Characteristics:	<ul style="list-style-type: none">• Rapidly measure phosphorylated protein in adherent cell lines• Simultaneously measure Phosphorylated protein and pan protein in one experiment (for normalization purpose)• No sample lysis is needed• Compatible with a standard ELISA plate reader
Components:	<ul style="list-style-type: none">• Uncoated 96-well Strip Microplate• Wash Buffers• Fixing Solution• Quenching Buffer

Product Details

- Blocking Buffer
- Anti-phospho antibody
- Anti-pan antibody
- HRP-Conjugated Secondary Antibody
- TMB One-Step Substrate
- Stop Solution

Material not included:	<ul style="list-style-type: none">• 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
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Target Details

Target:	CDK1
Alternative Name:	CDK1 (CDK1 Products)
Gene ID:	983
UniProt:	P06493 , P11440 , P39951
Pathways:	Cell Division Cycle , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Toll-Like Receptors Cascades , Synthesis of DNA

Application Details

Plate:	Uncoated
Protocol:	<ol style="list-style-type: none">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.

Application Details

11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: 4 °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