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Datasheet for ABIN5526689

ATM ELISA Kit

Overview

Quantity:	96 tests
Target:	ATM
Binding Specificity:	pSer1981
Reactivity:	Human
Method Type:	Cell ELISA
Application:	ELISA

Product Details

Purpose:	Human Phospho-ErbB3 (Tyr1262) and Total ErbB3 Cell-Based ELISA Cell-Based ELISA Kit. This assay semi-quantitatively measures ATM phosphorylated at Serine-1981 as well as total ATM in adherent cell lines.
Sample Type:	Adherent Cell Culture
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA kit recognizes Human ATM phosphorylated at site Serine-1981 as well as total ATM.
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

Product Details

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

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:	ATM
Alternative Name:	ATM (ATM Products)
Gene ID:	472
UniProt:	Q13315
Pathways:	p53 Signaling , Apoptosis , DNA Damage Repair , Inositol Metabolic Process , Positive Regulation of Response to DNA Damage Stimulus

Application Details

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

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
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Handling

Storage:	-20 °C
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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.
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Expiry Date:	6 months
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