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Datasheet for ABIN2748475 **CDKN1B ELISA Kit**

Overview

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| Quantity: | 96 tests |
| Target: | CDKN1B |
| Reactivity: | Mouse |
| Method Type: | Sandwich ELISA |
| Application: | ELISA |

Product Details

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| Purpose: | Custom Mouse p27/Kip1 (CDKN1B) ELISA Kit. |
| Sample Type: | Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes Mouse p27/Kip1 (CDKN1B) |
| Characteristics: | <ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data |
| Components: | <ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody |

Product Details

- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: CDKN1B

Alternative Name: p27/Kip1 ([CDKN1B Products](#))

Background: P27/Kip1 (CDKN1B)

Gene ID: 821314

UniProt: [Q43735](#)

Pathways: [Cell Division Cycle](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Positive Regulation of Peptide Hormone Secretion](#), [Negative Regulation of Hormone Secretion](#), [Sensory Perception of Sound](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Positive Regulation of Endopeptidase Activity](#), [Synthesis of DNA](#), [Autophagy](#)

Application Details

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 µL of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 µL of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 µL of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 µL of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.

Application Details

10. Add 50 µL of Stop Solution to each well.
11. Read at 450 nm immediately.

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| Assay Procedure: | Prepare all reagents, samples and standards as instructed in the manual. Add 100 µL of standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C. Add 100 µL of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 µL of prepared Streptavidin solution to each well. Incubate 45 min at RT. Add 100 µL of TMB One-Step Substrate Reagent to each well. Incubate 30 min at RT. Add 50 µL of Stop Solution to each well. Read at 450 nm immediately. |
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| Restrictions: | For Research Use only |
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Handling

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| Storage: | -20 °C |
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| Storage Comment: | The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C. |
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| Expiry Date: | 6 months |
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