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Datasheet for ABIN5526747 **PKMYT1 ELISA Kit**

Overview

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| Quantity: | 96 tests |
| Target: | PKMYT1 |
| Binding Specificity: | pThr495 |
| Reactivity: | Human |
| Method Type: | Cell ELISA |
| Application: | ELISA |

Product Details

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| Purpose: | Cell-Based ELISA Kit. This assay semi-quantitatively measures PKMYT1 phosphorylated at Threonine-495 as well as total PKMYT1 in adherent cell lines. |
| Sample Type: | Adherent Cell Culture |
| Analytical Method: | Semi-Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | This ELISA kit recognizes Human PKMYT1 phosphorylated at site Threonine-495 as well as total PKMYT1. |
| 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

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| 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

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| Target: | PKMYT1 |
| Alternative Name: | PKMYT1 (PKMYT1 Products) |
| Gene ID: | 9088 |
| UniProt: | Q99640 |
| Pathways: | Mitotic G1-G1/S Phases, M Phase |

Application Details

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| 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.7. Incubate 1 h at RT.8. Add 100 µL of TMB One-Step Substrate Reagent to each well. |

Application Details

9. Incubate 30 min at RT.
10. Add 50 µL of Stop Solution to each well.
11. 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: | 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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