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## Datasheet for ABIN4881300

### CAMP ELISA Kit

#### Overview

Quantity:	96 tests
Target:	CAMP (cAMP)
Reactivity:	Chemical
Method Type:	Competition ELISA
Detection Range:	0.1-1.000 ng/mL
Minimum Detection Limit:	0.1 ng/mL
Application:	ELISA

#### Product Details

Purpose:	cAMP EIA Kit optimized for serum and plasma samples. Competition-based ELISA on a 96-well strip plate.
Sample Type:	Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This EIA kit is designed to only detect Cyclic AMP.
Sensitivity:	4.4 ng/mL
Characteristics:	<ul style="list-style-type: none"><li>• Strip plates and additional reagents allow for use in multiple experiments</li><li>• Quantitative protein detection</li><li>• Establishes normal range</li><li>• The best products for confirmation of antibody array data</li></ul>

## Product Details

Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Standard Peptide</li><li>• Assay Diluent(s)</li><li>• Biotinylated Peptide</li><li>• HRP-Streptavidin</li><li>• TMB One-Step Substrate</li><li>• Stop Solution</li><li>• Assay Diagram</li><li>• Positive Control Sample</li><li>• Capture Antibody</li><li>• User Manual</li></ul>
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Material not included:	<ul style="list-style-type: none"><li>• Distilled or deionized water</li><li>• Precision pipettes to deliver 2 µL to 1 mL volumes</li><li>• Adjustable 1-25 mL pipettes for reagent preparation</li><li>• 100 mL and 1 liter graduated cylinders</li><li>• Tubes to prepare standard and sample dilutions</li><li>• Orbital shaker</li><li>• Aluminum foil</li><li>• Saran Wrap</li><li>• Absorbent paper</li><li>• Microplate reader capable of measuring absorbance at 450nm</li><li>• SigmaPlot software (or other software that can perform four-parameter logistic regression models)</li></ul>
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## Target Details

Target:	CAMP (cAMP)
Alternative Name:	cAMP, Cyclic AMP ( <a href="#">cAMP Products</a> )
Target Type:	Chemical
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards as instructed.</li><li>2. Add 100 µL detection antibody to each well.</li></ol>

## Application Details

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3. Incubate 1.5 h at RT or O/N at 4 °C.
4. Add 100 µL standard or sample to each well.
5. Incubate 2.5 h at RT.
6. Add 100 µL prepared streptavidin solution.
7. Incubate 45 min at RT.
8. Add 100 µL TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 µL Stop Solution to each well.
11. Read plate 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:	Standard, Biotinylated cAMP peptide, and Positive Control should be stored at -20°C after arrival. Avoid multiple freeze-thaws. The remaining kit components may be stored at 4°C. Opened Microplate Wells and antibody (Item N) may be stored for up to 1 month at 2° to 8°C. Return unused wells to the pouch containing desiccant pack and reseal along entire edge.
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Expiry Date:	6 months
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