



## cAMP Activity Assay Kit

### Product Information

#### Cat.No.

Kit-0148

#### Product Overview

The kit can detect ~0.1-10 pmol/5  $\mu$ l (or ~ 0.02-2  $\mu$ M) cAMP samples. (100 assays) Simple procedure Fast and convenient The assay is sensitive, stable and high-throughput adaptable The kit provides a new acetylation procedure to improve detection sensitivity significantly

#### Size

100 assays

#### Description

Adenosine 3',5'-cyclic monophosphate (cyclic AMP, cAMP) is an important "second messenger" involved in many physiological processes. cAMP Assay Kit provides a direct competitive immunoassay for sensitive and quantitative determination of cAMP level in biological samples. The kit utilizes recombinant Protein G coated 96-well plate to efficiently anchor cAMP polyclonal antibody onto the plate. cAMP-HRP conjugate directly competes with cAMP from sample binding to the cAMP antibody on the plate. After incubation and washing, the amount of cAMP-HRP bound to the plate can easily be determined by reading HRP activity at OD450 nm. The intensity of OD450 nm is inversely proportional to the cAMP concentration in samples. The kit provides a new acetylation procedure to improve detection sensitivity significantly. The kit can detect ~0.1-10 pmol/well (or ~ 0.02 -2  $\mu$ M) cAMP samples.

#### Applications

The kit can detect ~0.1-10 pmol/5  $\mu$ l (or ~ 0.02-2  $\mu$ M) cAMP samples.

#### Target Species

Mammalian

#### Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## cAMP Activity Assay Kit

use.

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### Kit Components

10X cAMP Assay Buffer  
Standard cAMP (10 nmol)  
Neutralizing Buffer  
Acetylating Reagent A  
Acetylating Reagent B  
Rabbit Anti-cAMP pAb  
HRP Developer  
Protein G Coated Plate

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**Detection method** Colorimetric

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### Compatible Sample Types

Cell Culture Supernatants  
Plasma  
Serum  
Tissue Lysates  
Urine  
Cell Lysates

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