

cAMP Activity Assay Kit

Cat. No. Kit-0148 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The kit can detect ~0.1-10 pmol/5 μl (or ~ 0.02-2 μM) cAMP samples. (100 assays) Simple procedureFast and convenientThe assay is sensitive, stable and high-throughput adaptableThe 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 μM) cAMP samples.
Applications	The kit can detect ~0.1-10 pmol/5 μ l (or ~ 0.02-2 μ M) cAMP samples.
Target Species	Mammalian
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for

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	diagnostic or therapeutic use.
Kit Components	10X cAMP Assay BufferStandard cAMP (10 nmol)Neutralizing BufferAcetylating Reagent AAcetylating Reagent BRabbit Anti-cAMP pAbHRP DeveloperProtein G Coated Plate
Detection method	Colorimetric
Compatible Sample Types	Cell Culture SupernatantsPlasmaSerumTissue LysatesUrineCell Lysates

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