Order Information

Description:	Mouse anti cAMP
Catalogue#:	500-9534
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Mouse
Isotype:	IgG1
Application:	ELISA, WB,
Reactivity:	Hu/Rt/Ms

Mouse anti cAMP Monoclonal Antibody

Alternate Names:
3', 5'-Cyclic Adenosine Monophosphate (c-AMP)

ANTIGEN PREPARATION

A chemically linked 3', 5'-Cyclic Adenosine Monophosphate (cAMP)

BACKGROUND

Cyclic adenosine monophosphate (cAMP) is an intracellular mediator that plays an important role in a variety of hormone signaling. It's been known as an universal cytoplasmic second messenger in drug discovery due to the involvement of G-Protein Coupled Receptors (GPCR) signaling events where the receptors are activated by different ligands, such as neurotransmitters, hormones, ions, small molecules, peptides, etc.

PURIFICATION

The mouse monoclonal antibody is purified by protein A Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes cAMP, not cross react with 5/-AMP, 5'-ADP, 5'-ATP or 3', 5'-cGMP.

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. Avoid repeated freezing-thawing cycles.

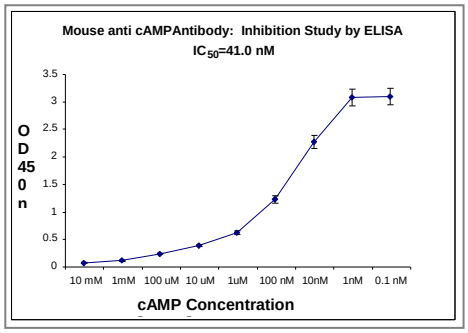
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	Not tested
IHC	Not tested
Flow cytometry	Not tested

MOLECULAR WEIGHT:	N/A
POSITIVE CONTROL:	cAMP-Carrier protein
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



ELISA Plot:
Adenosine-3', 5'-cyclic AMP immorbolized onto plates, followed by addition of stand cyclic AMP. The mouse anti c-AMP was added subsequentially, and visiualized by chromatogenic substrate. Each sample was triplicate. IC50 was then calculated.

REFERENCES

Chika Funaki, et al, Role of cAMP inhibition of p44/p42 mitogen-activated protein kinase in potentiation of protein secretion in rat lacrimal gland. ***Am J Physiol Cell Physiol* 293: C1551-C1560, 2007.**

FOR RESEARCH USE ONLY.

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