

Mouse Monoclonal Antibody to cAMP

Cataloge Number	sAP-0162
Target Molecule	Name: cAMP Aliases: cAMP MW: N/A Entrez Gene ID: N/A
Description	Cyclic adenosine monophosphate (cAMP) plays a key role as an intracellular second messenger for transduction events that follow a number of extracellular signals. The G-Protein Coupled Receptors (GPCR) is the largest family of cell surface receptors. They can be activated by different ligands, such as neurotransmitters, hormones, ions, small molecules, peptides, and other physiological signaling molecules. Typically, the binding of the ligands to its receptor resulting in the activation of G-proteins, in return, activates the effector adenylyl cyclase evoking the production of cAMP. The activation of a protein kinase by cAMP results in the phosphorylation of substrate proteins. Currently successful drugs in marketing have been developed to target these receptors. Among the GPCRs, ~367 receptors are potential drug development targets,
Immunogen	cAMP, conjugated to KLH.
Recitative Species	N/A
Clone	MM9H4C4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Int J Osteopath Med. 2007 Mar;10(1):3. ; 2. J Clin Endocrinol Metab. 2008 Mar 18.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**