



Cyclic AMP [HRP] (DAG1077)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Cyclic AMP, HRP conjugate
Antigen Description	Cyclic Adenosine Monophosphate is a hydrophilic secondary messenger that is part of the cellular signal transduction pathway. It is produced by enzymatic methods on the molecule ATP by the enzyme adenylyl cyclase. It interacts with receptor proteins on the surface of a cell membrane following an intracellular signal produced by hormones or neurotransmitters. Cyclic AMP activates Protein Kinase A (PKA) catalytic ability. This activated PKA molecule transfers phosphate from ATP to different amino acid sequences. These phosphorylated amino acids can regulate calcium ion channels allowing calcium to move across the cellular membrane.
Species	N/A
Conjugate	HRP
Format	Concentrate
Size	0.5 ml
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Cyclic adenosine monophosphate (cAMP, cyclic AMP or 3'-5'-cyclic adenosine monophosphate) is a second messenger important in many biological processes. cAMP is derived from adenosine triphosphate (ATP) and used for intracellular signal transduction in many different organisms, conveying the cAMP-dependent pathway.
Keywords	Cyclic adenosine monophosphate; cAMP; cyclic AMP; 3"-5"-cyclic adenosine monophosphate