

Human cyclic Adenosine Monophosphate ELISA Kit | cAMP elisa kit

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CATALOG #
AAA86977

REACTIVITY
Human

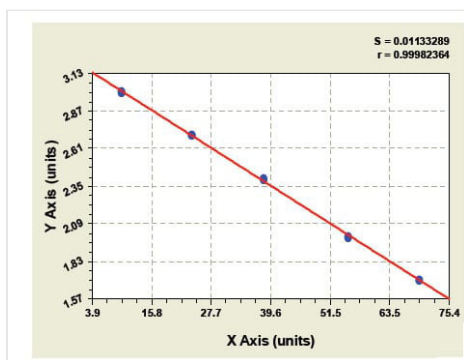
PRODUCT SYNONYMS

cyclic Adenosine Monophosphate; Human cyclic Adenosine Monophosphate ELISA Kit; cAMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pmol/mL
Sensitivity	1.0pmol/mL
Intended Uses	This cAMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human cAMP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for cAMP elisa kit

Principle of the Assay: cAMP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-cAMP antibody and an cAMP-HRP conjugate. The assay sample and buffer are incubated together with cAMP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the cAMP concentration since cAMP from samples and cAMP-HRP conjugate compete for the anti-cAMP antibody binding site. Since the number of sites is limited, as more sites are occupied by cAMP from the sample, fewer sites are left to bind cAMP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The cAMP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456877
NCBI GeneID	820
UniProt Accession #	P49913; Q71SN9
Molecular Weight	19,301 Da
NCBI Official Full Name	CAMP, partial
UniProt Protein Name	Cathelicidin antimicrobial peptide
UniProt Gene Name	CAMP
UniProt Synonym Gene Names	CAP18; FALL39; HSD26; CAP-18; hCAP-18
UniProt Entry Name	CAMP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/camp-human-elisa-kits/cyclic-adenosine-monophosphate/86977>