

Rat cyclic Adenosine Monophosphate ELISA Kit | Camp elisa kit

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CATALOG # AAA82178	REACTIVITY Rat
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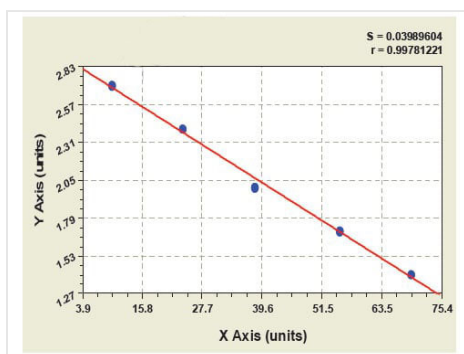
PRODUCT SYNONYMS

cyclic Adenosine Monophosphate; Rat cyclic Adenosine Monophosphate ELISA Kit; Camp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pmol/mL
Intended Uses	This CAMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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.
Product Categories/Family for Camp elisa kit	Signal Transduction

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-rat-elisa-kits/cyclic-adenosine-monophosphate/82178>