

Human Cathelicidin Antimicrobial Peptide (CAMP) ELISA Kit | CAMP elisa kit

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CATALOG #
AAA140318

REACTIVITY
Human

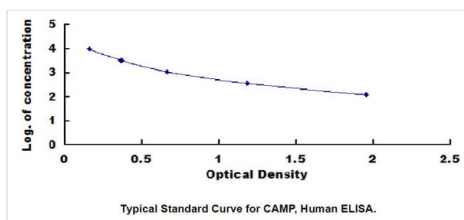
PRODUCT SYNONYMS

Cathelicidin Antimicrobial Peptide (CAMP); Human Cathelicidin Antimicrobial Peptide (CAMP) ELISA Kit; CAP18; FALL39; HSD26; LL37; 18 kDa Cationic Antimicrobial Protein; Antibacterial protein FALL-39; FALL-39 peptide antibiotic; CAMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAMP. No significant cross-reactivity or interference between CAMP and analogues was observed.
Sequence Length	170
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	123.5-10,000ng/mL
Sensitivity	< 47.4ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CAMP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CAMP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAMP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CAMP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CAMP and unlabeled CAMP (Standards or samples) with the pre-coated antibody specific to CAMP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of CAMP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CAMP in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CAMP in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for CAMP elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	521026624
UniProt Accession #	Q1KLX1
Molecular Weight	19,287 Da
NCBI Official Full Name	Cathelicidin antimicrobial peptide
UniProt Protein Name	Cathelicidin antimicrobial peptide
UniProt Gene Name	CAMP
UniProt Entry Name	CAMP_PANTR

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/human-elisa-kits/cathelicidin-antimicrobial-peptide-camp/140318>