

Canine Adenylyl Cyclase Associated Protein 1 ELISA Kit | CAP1 elisa kit

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CATALOG #
AAA96257

REACTIVITY
Canine

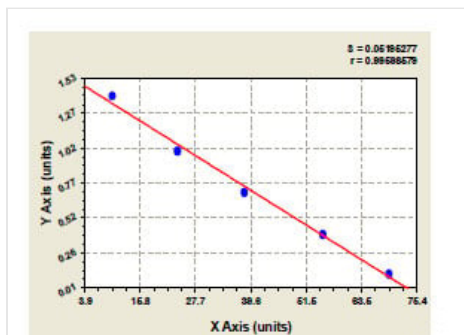
PRODUCT SYNONYMS

Adenylyl Cyclase Associated Protein 1; Canine Adenylyl Cyclase Associated Protein 1 ELISA Kit; CAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CAP1 elisa kit

Intended Uses: This CAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CAP1. This ELISA kit for research use only!

Principle of the Assay: CAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CAP1 antibody and an CAP1-HRP conjugate. The assay sample and buffer are incubated together with CAP1-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 CAP1 concentration since CAP1 from samples and CAP1-HRP conjugate compete for the anti-CAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAP1 from the sample, fewer sites are left to bind CAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157649073
NCBI GeneID	10487
NCBI Accession #	NP_001099000.1
NCBI GenBank Nucleotide #	NM_001105530.1
Molecular Weight	51,830 Da
NCBI Official Full Name	adenylyl cyclase-associated protein 1
NCBI Official Synonym Full Names	CAP, adenylate cyclase-associated protein 1 (yeast)
NCBI Official Symbol	CAP1
NCBI Official Synonym Symbols	CAP; CAP1-PEN
NCBI Protein Information	adenylyl cyclase-associated protein 1; CAP 1
UniProt Protein Name	Adenylyl cyclase-associated protein 1
UniProt Gene Name	CAP1
UniProt Synonym Gene Names	CAP; CAP 1
UniProt Entry Name	CAP1_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/cap1-canine-elisa-kits/adenylyl-cyclase-associated-protein-1/96257>