

Canine Adenylate Cyclase 4 ELISA Kit | ADCY4 elisa kit

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CATALOG #
AAA96780

REACTIVITY
Canine

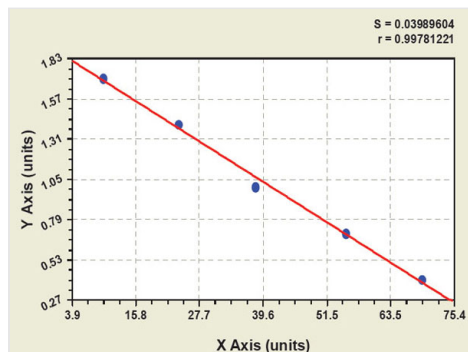
PRODUCT SYNONYMS

Adenylate Cyclase 4; Canine Adenylate Cyclase 4 ELISA Kit; ADCY4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADCY4 elisa kit

Principle of the assay: ADCY4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADCY4 antibody and an ADCY4-HRP conjugate. The assay sample and buffer are incubated together with ADCY4-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 ADCY4 concentration since ADCY4 from samples and ADCY4-HRP conjugate compete for the anti-ADCY4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY4 from the sample, fewer sites are left to bind ADCY4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ADCY4 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	34785029
NCBI GeneID	196883
Molecular Weight	46,245 Da
NCBI Official Full Name	ADCY4 protein, partial
NCBI Official Synonym Full Names	adenylate cyclase 4
NCBI Official Symbol	ADCY4
NCBI Official Synonym Symbols	AC4
NCBI Protein Information	adenylate cyclase type 4; adenylyl cyclase 4; ATP pyrophosphate-lyase 4; adenylate cyclase type IV
UniProt Protein Name	Adenylate cyclase type 4
UniProt Gene Name	ADCY4
UniProt Entry Name	ADCY4_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/adcy4-canine-elisa-kits/adenylate-cyclase-4/96780>