

Canine Adenylate Cyclase 3 ELISA Kit | ADCY3 elisa kit

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CATALOG #
AAA94704

REACTIVITY
Canine

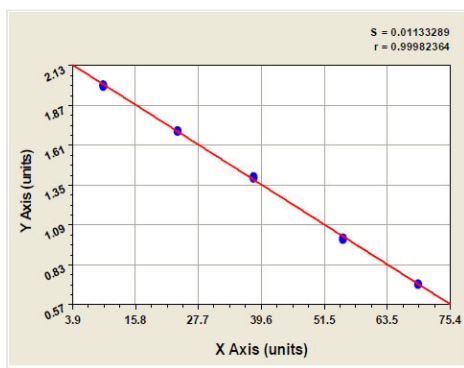
PRODUCT SYNONYMS

Adenylate Cyclase 3; Canine Adenylate Cyclase 3 ELISA Kit; ADCY3 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
Intended Uses	This ADCY3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ADCY3. 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 ADCY3 elisa kit

Principle of the assay: ADCY3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADCY3 antibody and an ADCY3-HRP conjugate. The assay sample and buffer are incubated together with ADCY3-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 ADCY3 concentration since ADCY3 from samples and ADCY3-HRP conjugate compete for the anti-ADCY3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADCY3 from the sample, fewer sites are left to bind ADCY3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADCY3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219519026
NCBI GeneID	109
Molecular Weight	82,289 Da
NCBI Official Full Name	ADCY3 protein
NCBI Official Synonym Full Names	adenylate cyclase 3
NCBI Official Symbol	ADCY3
NCBI Official Synonym Symbols	AC3
NCBI Protein Information	adenylate cyclase type 3; AC-III; adenylyl cyclase 3; ATP pyrophosphate-lyase 3; adenylate cyclase type III; adenylyl cyclase, type III; adenylate cyclase, olfactive type
UniProt Protein Name	Adenylate cyclase type 3
UniProt Gene Name	ADCY3
UniProt Synonym Gene Names	KIAA0511; AC-III; AC3
UniProt Entry Name	ADCY3_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/adc3-canine-elisa-kits/adenylate-cyclase-3/94704>