

Canine Arylalkylamine N-acetyltransferase ELISA Kit | AA-NAT elisa kit

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CATALOG #
AAA88285

REACTIVITY
Canine

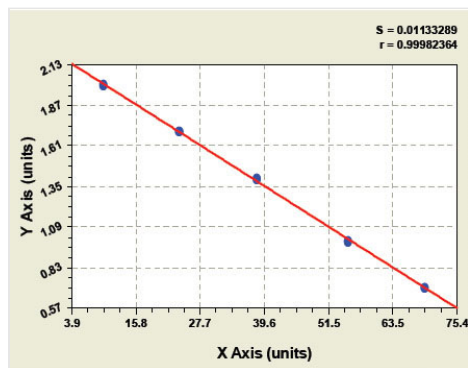
PRODUCT SYNONYMS

Arylalkylamine N-acetyltransferase; Canine Arylalkylamine N-acetyltransferase ELISA Kit; AA-NAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 U/mL
Sensitivity	1.0u/mL
Intended Uses	This AA-NAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AA-NAT. 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 AA-NAT elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333514
NCBI GeneID	780849
NCBI Accession #	NP_001073122.1
NCBI GenBank Nucleotide #	NM_001079654.2
NCBI Official Full Name	arylalkylamine N-acetyltransferase
NCBI Official Symbol	Aanat
NCBI Protein Information	arylalkylamine N-acetyltransferase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/aa-nat-canine-elisa-kits/arylalkylamine-n-acetyltransferase/88285>