

Chicken Serotonin N-acetyltransferase (AANAT) ELISA Kit | AANAT elisa kit

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CATALOG #
AAA246277

REACTIVITY
Chicken

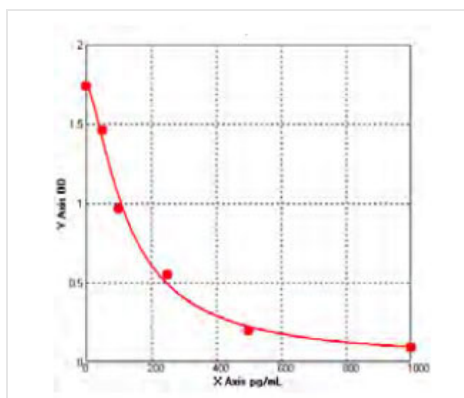
PRODUCT SYNONYMS

Serotonin N-acetyltransferase (AANAT); Chicken Serotonin N-acetyltransferase (AANAT) ELISA Kit; AANAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of AANAT. No significant cross-reactivity or interference between AANAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AANAT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AANAT elisa kit	Principle of the Assay: AANAT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AANAT antibody and an AANAT-HRP conjugate. The assay sample and buffer are incubated together with AANAT-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 AANAT concentration since AANAT from samples and AANAT-HRP conjugate compete for the anti-AANAT antibody binding site. Since the number of sites is limited, as more sites are occupied by AANAT from the sample, fewer sites are left to bind AANAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AANAT concentration in each sample is interpolated from this standard curve. Intended Uses: This AANAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken AANAT. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for AANAT elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	11387096
NCBI GeneID	15
Molecular Weight	28,432 Da
NCBI Official Full Name	Serotonin N-acetyltransferase
NCBI Official Synonym Full Names	aralkylamine N-acetyltransferase
NCBI Official Symbol	AANAT
NCBI Official Synonym Symbols	DSPS; SNAT
NCBI Protein Information	serotonin N-acetyltransferase; serotonin acetylase; arylalkylamine N-acetyltransferase
UniProt Protein Name	Serotonin N-acetyltransferase
UniProt Gene Name	AANAT
UniProt Synonym Gene Names	SNAT; Serotonin acetylase; AA-NAT
UniProt Entry Name	SNAT_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/chicken-elisa-kits/serotonin-n-acetyltransferase-aanat/246277>