Canine Angiotensin 2 Receptor type 2 Autoantibodies ELISA Kit | AGTR2-AA elisa kit

Canine Angiotensin 2 Receptor type 2 Autoantibodies ELISA Kit

CATALOG #	REACTIVITY
AAA96538	**Canine**

PRODUCT SYNONYMS

Angiotensin 2 Receptor type 2 Autoantibodies; Canine Angiotensin 2 Receptor type 2 Autoantibodies ELISA Kit; AGTR2-AA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AT2R-AA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AT2R-AA. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGTR2-AA elisa kit	**Principle of the Assay:** AT2R-AA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AT2R-AA antibody and an AT2R-AA-HRP conjugate. The assay sample and buffer are incubated together with AT2R-AA-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 AT2R-AA concentration since AT2R-AA from samples and AT2R-AA-HRP conjugate compete for the anti-AT2R-AA antibody binding site. Since the number of sites is limited, as more sites are occupied by AT2R-AA from the sample, fewer sites are left to bind AT2R-AA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AT2R-AA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AGTR2-AA elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758720
NCBI GeneID	116632
NCBI Accession #	NP_446306.1
NCBI GenBank Nucleotide #	NM_053854.1
Molecular Weight	33,756 Da
NCBI Official Full Name	arylamine N-acetyltransferase 2
NCBI Official Synonym Full Names	N-acetyltransferase 2 (arylamine N-acetyltransferase)
NCBI Official Symbol	Nat2
NCBI Official Synonym Symbols	Nat2a
NCBI Protein Information	arylamine N-acetyltransferase 2; AT-2; NAT-2; arylamide acetylase 2; N-acetyltransferase type 2; N-Acetyltransferase-2 (arylamine N-acetyltransferase)
UniProt Protein Name	Arylamine N-acetyltransferase 2
UniProt Gene Name	**Nat2**
UniProt Synonym Gene Names	Aac2; AT-2; NAT-2
UniProt Entry Name	ARY2_RAT

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/agtr2-aa-canine-elisa-kits/angiotensin-2-receptor-type-2-autoantibodies/96538