

Canine Angiotensin II Receptor 2 ELISA Kit | AGTR2 elisa kit

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CATALOG #
AAA93297

REACTIVITY
Canine

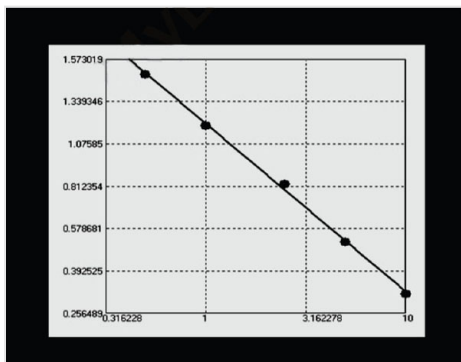
PRODUCT SYNONYMS

Angiotensin II Receptor 2; Canine Angiotensin II Receptor 2 ELISA Kit; AGTR2 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 AGTR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AGTR2. 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 AGTR2 elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456893
NCBI GeneID	186
UniProt Accession #	P50052; Q13016; Q6FGY7; B2R9V1; AAB34100
Molecular Weight	41,184 Da
NCBI Official Full Name	AGTR2, partial
NCBI Official Synonym Full Names	angiotensin II receptor, type 2
NCBI Official Symbol	AGTR2
NCBI Official Synonym Symbols	AT2; ATGR2; MRX88
NCBI Protein Information	type-2 angiotensin II receptor; angiotensin II type-2 receptor
UniProt Protein Name	Type-2 angiotensin II receptor
UniProt Gene Name	AGTR2
UniProt Synonym Gene Names	AT2
UniProt Entry Name	AGTR2_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/agtr2-canine-elisa-kits/angiotensin-ii-receptor-2/93297>