

Canine Angiotensin II Receptor 2 ELISA Kit | AT2R elisa kit

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CATALOG #
AAA95665

REACTIVITY
Canine

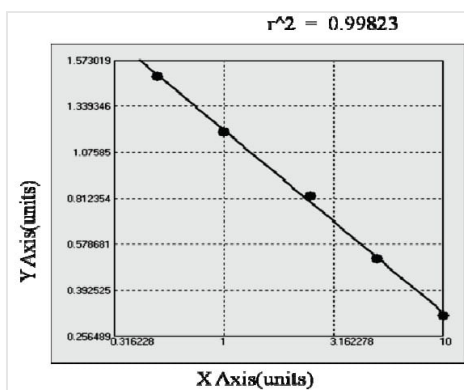
PRODUCT SYNONYMS

Angiotensin II Receptor 2; Canine Angiotensin II Receptor 2 ELISA Kit; AT2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AT2R elisa kit

Intended Uses: This AT2R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AT2R. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	607812
NCBI GeneID	186
UniProt Accession #	P50052; Q13016; Q6FGY7; B2R9V1; AAB34100
Molecular Weight	41,184 Da
NCBI Official Full Name	angiotensin II receptor type 2 subtype
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/at2r-canine-elisa-kits/angiotensin-ii-receptor-2/95665>