

Rat Angiotensin II Receptor 1 (AGTR1) ELISA Kit | AGTR1 elisa kit

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CATALOG #
AAA65679

REACTIVITY
Rat

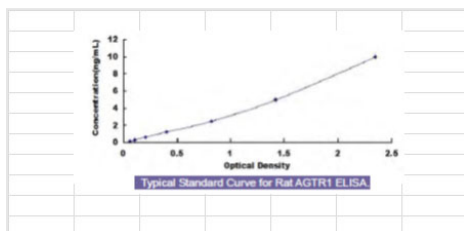
PRODUCT SYNONYMS

Angiotensin II Receptor 1 (AGTR1); Rat Angiotensin II Receptor 1 (AGTR1) ELISA Kit; AT1R; AG2S; AG2-S; AGTR1A; AGTR1B; AT1; AT1B; AT2R1; AT2-R1; AT2R1A; AT2R1B; HAT1R; AT1 Receptor; Angiotensin Receptor 1B; AGTR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AGTR1. No significant cross-reactivity or interference between AGTR1 and analogues was observed.
Sequence Length	359
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AGTR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AGTR1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGTR1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AGTR1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AGTR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AGTR1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AGTR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AGTR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51036661
NCBI GeneID	24180
NCBI Accession #	NP_112247.2
NCBI GenBank Nucleotide #	NM_030985.4
UniProt Accession #	P25095; Q9QVS5
Molecular Weight	40,890 Da
NCBI Official Full Name	type-1A angiotensin II receptor
NCBI Official Synonym Full Names	angiotensin II receptor, type 1a
NCBI Official Symbol	Agtr1a
NCBI Official Synonym Symbols	AT1; AT1A; AT1R; Agtr1
NCBI Protein Information	type-1A angiotensin II receptor
UniProt Protein Name	Type-1A angiotensin II receptor
UniProt Gene Name	Agtr1
UniProt Synonym Gene Names	Agtr1a; At1a; AT1A

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.