

Human Angiotension II Receptor 1 (ANG2R-1) ELISA Kit | ANG2R-1 elisa kit

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CATALOG #
AAA331154

REACTIVITY
Human

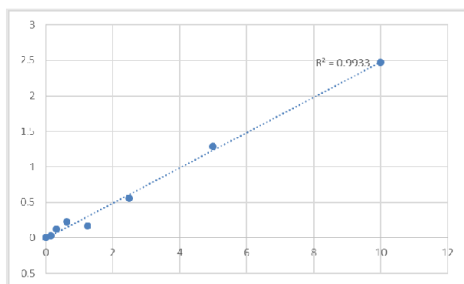
PRODUCT SYNONYMS

Angiotension II Receptor 1 (ANG2R-1); Human Angiotension II Receptor 1 (ANG2R-1) ELISA Kit; AGTR1; AG2S; AGTR1A; AGTR1B; AT1; AT1B; AT1R; AT2R1; AT2R1A; AT2R1B; HAT1R; angiotensin receptor 1; angiotensin receptor 1B; type-1B angiotensin receptor; ANG2R-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Angiotension II receptor 1 (ANG2R-1) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGTR1. No significant cross-reactivity or interference between Human AGTR1 and analogues was observed.
Sequence Length	359
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Angiotension II receptor 1 (ANG2R-1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ANG2R-1 elisa kit	Description: This Human Angiotension II receptor 1 (ANG2R-1) ELISA Kit employs a two-site sandwich ELISA to quantitate AGTR1 in samples. An antibody specific for AGTR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGTR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGTR1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AGTR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Angiotensin II receptor, type 1 or AT1 receptor is an angiotensin receptor. It has vasopressor effects and regulates aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It is the best elucidated angiotensin receptor. The angiotensin receptor is activated by the vasoconstricting peptide angiotensin II. The activated receptor in turn couples to Gq/11 and thus activates phospholipase C and increases the cytosolic Ca2+ concentrations, which in turn triggers cellular responses such as stimulation of protein kinase C. Activated receptor also inhibits adenylate cyclase and activates various tyrosine kinases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501997
NCBI GeneID	185
NCBI Accession #	NP_000676.1
NCBI GenBank Nucleotide #	NP_000676.1
UniProt Accession #	P30556
NCBI Official Full Name	type-1 angiotensin II receptor isoform 1
NCBI Official Synonym Full Names	angiotensin II receptor type 1
NCBI Official Symbol	AGTR1
NCBI Official Synonym Symbols	AT1; AG2S; AT1B; AT1R; AT1AR; AT1BR; AT2R1; HAT1R; AGTR1B
NCBI Protein Information	type-1 angiotensin II receptor
UniProt Protein Name	Type-1 angiotensin II receptor
UniProt Gene Name	AGTR1
UniProt Synonym Gene Names	AGTR1A; AGTR1B; AT2R1; AT2R1B; AT1
UniProt Entry Name	AGTR1_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/human-elisa-kits/angiotension-ii-receptor-1-ang2r-1/331154>