

Human Angiotensin II Receptor 2 (AT2R) ELISA Kit | AT2R elisa kit

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CATALOG #
AAA331155

REACTIVITY
Human

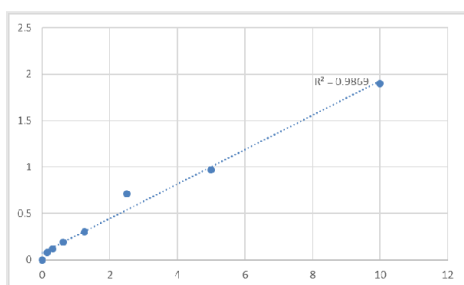
PRODUCT SYNONYMS

Angiotensin II Receptor 2 (AT2R); Human Angiotensin II Receptor 2 (AT2R) ELISA Kit; AGTR2; AT2; ATGR2; MRX88; angiotensin receptor 2; AT2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Angiotensin II Receptor 2 (AT2R) ELISA Kit has high sensitivity and excellent specificity for detection of Human AGTR2. No significant cross-reactivity or interference between Human AGTR2 and analogues was observed.
Sequence Length	363
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 Angiotensin II Receptor 2 (AT2R) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AT2R elisa kit	Description: This Human Angiotensin II Receptor 2 (AT2R) ELISA Kit employs a two-site sandwich ELISA to quantitate AGTR2 in samples. An antibody specific for AGTR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGTR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGTR2 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 AGTR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Angiotensin II is a potent pressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors termed AT1 and AT2. AGTR2 belongs to a family 1 of G protein-coupled receptors. It is an integral membrane protein. It plays a role in the central nervous system and cardiovascular functions that are mediated by the renin-angiotensin system. This receptor mediates programmed cell death (apoptosis). In adults, it is highly expressed in myometrium with lower levels in adrenal gland and fallopian tube. It is highly expressed in fetal kidney and intestine. The human AGTR2 gene is composed of three exons and spans at least 5 kb.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	607812
NCBI GeneID	186
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

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/angiotensin-ii-receptor-2-at2r/331155>