

Human Angiotensin 2 Receptor 1 Antibody ELISA Kit | AT2R1 elisa kit

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CATALOG #
AAA16907

REACTIVITY
Human

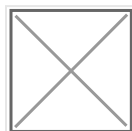
PRODUCT SYNONYMS

Angiotensin 2 Receptor 1 Antibody; Human Angiotensin 2 Receptor 1 Antibody ELISA Kit; AT2R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of A2R1Ab. No significant cross-reactivity or interference between A2R1Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between A2R1Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AT2R1 elisa kit

Principle of the Assay: A2R1Ab ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with A2R1 antigen. Standards or samples are then added to the microtiter plate wells and A2R1Ab if present, will bind to the A2R1 antigen pre-coated wells. In order to quantitatively determine the amount of A2R1Ab present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated A2R1Ab antibody IgG is added to each well to "sandwich" the A2R1Ab immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain A2R1Ab and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The A2R1Ab concentration in each sample is interpolated from this standard curve.

Intended Uses: This A2R1Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human A2R1Ab. This ELISA kit for research use only, not for therapeutic or diagnostic applications!

Product Categories/Family for AT2R1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46250427
NCBI GeneID	185
Molecular Weight	41,061 Da
NCBI Official Full Name	Angiotensin II receptor, type 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; type-1B 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/at2r1-human-elisa-kits/angiotensin-2-receptor-1-antibody/16907>