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

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CATALOG #	REACTIVITY
AAA89468	**Bovine**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This Anti-AT2R1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine Anti-AT2R1. This ELISA kit for research use only, not for therapeutic applications!
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:** Anti-AT2R1 ELISA kit applies the competitive enzyme immunoassay technique utilizing Angiotensin 2 Receptor 1 Antigen (Anti-AT2R1) and an Anti-AT2R1-HRP conjugate. The assay sample and buffer are incubated together with Anti-AT2R1-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 Anti-AT2R1 concentration since Anti-AT2R1 from samples and Anti-AT2R1-HRP conjugate compete for the Angiotensin 2 Receptor 1 Antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-AT2R1 from the sample, fewer sites are left to bind Anti-AT2R1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-AT2R1 concentration in each sample is interpolated from this standard curve.
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-bovine-ovine-elisa-kits/angiotensin-2-receptor-1-antibody/89468