



Human angiotensin II type 1 receptor antibody (ATIIR1 Ab) ELISA kit

Cat. No.:	OB0625WXX-218
Assay Type:	Quantitative sandwich ELISA
Target Species:	Human
Assay Target:	ATIIR1 Ab
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Human angiotensin II type 1 receptor antibody (ATIIR1 Ab) ELISA kit is an ELISA- based <i>in vitro</i> research tool designed specifically for the quantitative detection of ATIIR1 Ab in human with a range of 1.56-100 U/L and a specificity of 0.5 U/L.
Assay Principle	The pre-coated antibody is human ATIIR1 Ab monoclonal antibody, and the detection antibody is biotin-labeled polyclonal antibody. The samples and biotin-labeled antibody are added to the ELISA plate wells and rinsed with PBS or TBS. Avidin- peroxidase conjugate is then sequentially added to the ELISA wells. The reactants are thoroughly rinsed with PBS or TBS and then colored with TMB substrate. TMB turns blue when catalyzed by peroxidase, and finally turns yellow in the presence of acid. The shade of color is positively correlated with the detection factor in the sample.
Background	ATIIR1 Abs are considered to be potential effectors of acute and chronic antibody-mediated rejection.
Synonyms	AT1R-Ab; AT1R antibody; Angiotensin II type-1 receptor antibody; Anti-AT1R antibody
Formula Weight	41,046 Da
Applications	Human angiotensin II type 1 receptor antibody (ATIIR1 Ab) ELISA kit is used to quantify ATIIR1 Ab in human serum, plasma, cell culture supernatant, and tissues of human, providing data to support a wide range of studies.



Research Area Immune response

Specification

Sample Type	Human serum; Plasma; Cell culture supernatant; Organizations
Detection Range	1.56-100 U/L
Sensitivity	0.5 U/L
Precision (Intra-assay)	CV \leq 8%
Precision (Inter-assay)	CV \leq 12%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.