

ANGIOTENSIN II RECEPTOR TYPE -1(181-187) HUMAN

A 7-amino acid epitope peptide that corresponds to a site on the second extracellular loop of the AT1 receptor that is recognized by autoantibodies from women with preeclampsia. This 7-amino acid peptide can neutralize AT1-AA and thereby prevent autoantibody-induced sFlt-1 production in placental explants and cultured trophoblast cells.

Zhou C.C. et al. Hypertension. 2008;51:1010

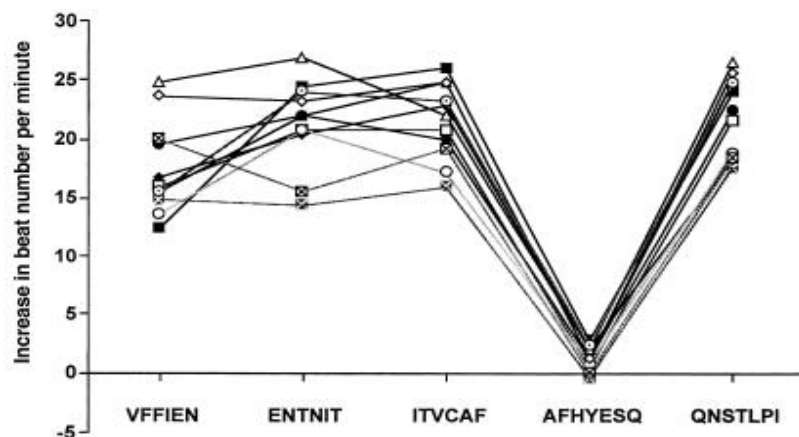
Amino acid sequence of Human Type-1 Angiotensin II Receptor

10	20	30	40	50	60
MILNSSTEDG	IKRIQDDCPK	AGRHNYIFVM	IPTLYSIIFV	VGIFGNSLVV	IVIYFYMKLK
70	80	90	100	110	120
TVASVFLNL	ALADLCFLLT	LPLWAVYTAM	EYRWPFGNL	CKIASASVSF	NLYASVFLLT
130	140	150	160	170	180
CLSIDRYLAI	VHPMKSRLRR	TMLVAKVTCI	IIWLLAGLAS	LPALHHRNVF	FIENTNITVC
190	200	210	220	230	240
AFHYESQ NST	LPIGLGLTKN	ILGFLFPFLI	ILTSYTLIWK	ALKKAYEIQK	NKPRNDDIFK
250	260	270	280	290	300
IIMAIVLFFF	FSWIPHQIFT	FLDVLIQLGI	IRDCRIADIV	DTAMPITICI	AYFNNCLNPL
310	320	330	340	350	
FYGFGLGKKFK	RYFLQLLKYI	PPKAKSHSNL	STKMSTLSYR	PSDNVSSSTK	KPAPCFEVE

AFHYESQ human Type-1 Angiotensin II Receptor (181-187)

Zhou C.C. et al. Hypertension. 2008, 51:1010-1019

Aug. 08, 2008, Phoenix Pharmaceuticals, Inc.



Short, overlapping peptides corresponding to the second extracellular loop of the AT1 receptor were prepared. These peptides were exposed to affinity-purified antibody preparations. We tested the effect on the spontaneous beating rate of neonatal rat cardiomyocytes. The sequence AFHYESQ abolished the response.

Wallukat G., et al. J Clin Invest. 1999 April 1; 103(7): 945-952.

Catalog Number	Description	Std. Size
002-39	Human Type-1 Angiotensin II Receptor (181-187)	200 ug



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Catalog Number	Description	Std. Size
WBK-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) Western Blot Kit	1 kit
WBK-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - Western Blot Kit	1 kit
T-G-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) I-125 Labeled Purified IgG	10 µCi
T-G-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled Purified IgG	10 µCi
T-002-33	Angiotensin II [D-Ala7] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled	10 µCi
T-002-28	Angiotensin IV / Angiotensin II (3-8) I-125 Labeled	10 µCi
T-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) Mono- I-125 Labeled	10 µCi
T-002-21	Angiotensin II [Sar1, Ile8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled	10 µCi
T-002-20	Angiotensin II [Sar1, Gly8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled	10 µCi
T-002-15	Angiotensin I (1-7) / Angiotensin II (1-7) [D-Pro7] - I-125 Labeled	10 µCi
T-002-14	Angiotensin II [Sar1] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled	10 µCi
T-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - I-125 Labeled	10 µCi
RK-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - RIA Kit	1 kit
MRK-002-12	Angiotensin II (Human) - Magnetic Bead RIA kit	1 kit
H-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) - Antibody for Immunohistochemistry	50 µl
H-002-12	Angiotensin II - Antibody for Immunohistochemistry	50 µl
G-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) - Purified IgG Antibody	200 µg
G-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - Purified IgG Antibody	400 µg
FR-G-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) Rhodamine Labeled Purified IgG	100 µl
FR-002-28	Angiotensin IV / Angiotensin II (3-8) - Rhodamine Labeled	1 nmol
FR-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) - Rhodamine Labeled	1 nmol
FR-002-21	Angiotensin II [Cap0, Sar1, Ile8] - Rhodamine Labeled	1 nmol
FR-002-20	Angiotensin II [Cap0, Sar1, Gly8] - Rhodamine Labeled	1 nmol
FR-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - Rhodamine Labeled	1 nmol
FG-G-002-24A	Angiotensin I (1-7) / Angiotensin II (1-7) FAM Labeled Purified IgG	100 µl
FG-002-28A	Angiotensin IV / Angiotensin II (3-8) - FAM Labeled	1 nmol
FG-002-24A	Angiotensin I (1-7) / Angiotensin II (1-7) FAM Labeled	1 nmol
FG-002-21A	Angiotensin II [Sar1, Ile8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - FAM Labeled	1 nmol
FG-002-20A	Angiotensin II [Sar1, Gly8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - FAM Labeled	1 nmol
FG-002-12A	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - FAM Labeled	1 nmol
FEK-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine) - Fluorescent EIA Kit	1 kit
EK-002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - EIA Kit	1 kit
B-G-002-24	Angiotensin I (1-7) / Angiotensin II (1-7) Biotin Labeled Purified IgG	100 µl
B-002-24A	Angiotensin I (1-7) / Angiotensin II (1-7) [Di-Biotinyl-Lys-Cap] - Biotin Labeled	100 µg
B-002-21	Angiotensin II [Sar1, Ile8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - Biotin Labeled	20 µg
B-002-20	Angiotensin II [Sar1, Gly8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit) - Biotin Labeled	20 µg
B-002-13	Angiotensin II [Di-Biotinyl-Lys-Cap] - Biotin Labeled	100 µg
002-39	Human Type-1 Angiotensin II Receptor (181-187)	200 µg
002-34	Angiotensin I (1-7) / Angiotensin II (1-7) [D-Ala7]	200 µg
002-33	Angiotensin II [D-Ala7] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-32	Angiotensin II (5-8) (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	500 µg
002-31	Angiotensin III / Angiotensin II [Des-Asp1] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-30	Angiotensin II (3-4) (Human)	500 µg
002-29	Angiotensin II (4-8) (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-28	Angiotensin IV / Angiotensin II (3-8) (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-25	Angiotensin II [Sar1, Val5, Ala8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-24	Angiotensin I (1-7) / Angiotensin II (1-7) (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-23	Angiotensin II [Sar1, Thr8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-22	Angiotensin II [Sar1, Leu8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-21	Angiotensin II [Sar1, Ile8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-20	Angiotensin II [Sar1, Gly8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-19	Angiotensin II [Sar1, Ala8] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-15	Angiotensin I (1-7) / Angiotensin II (1-7) [D-Pro7]	500 µg
002-14	Angiotensin II [Sar1] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-13	Angiotensin II [Lys0] (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg
002-12	Angiotensin II (Human, Rat, Mouse, Porcine, Canine, Guinea Pig, Rabbit)	5 mg