

Table S1. Primer sequences used in qRT-PCR analysis

Primers sequence for quantitative real-time PCR		
Molecules	Forward primer 5' to 3'	Reverse primer 5'to 3'
GAPDH(mouse)	AACTTTGGCATTGTGGA AGG	CACATTGGGGGTAGGAA CAC
ICAM-1(mouse)	CCATCACCGTGTATTCTG TTTC	AGGTCCTTGCCTACTTGC T
VCAM-1(mouse)	TTGGGAGCCTCAACGG TACT	GCAATCGTTTTGTATTCA GGGGA
MCP-1(mouse)	GCAGCAGGTGTCCCAA AGAA	ATTTACGGGTCAACTTCA CATTCAA
TNF- α (mouse)	TTCCAGAACTCCAGGC GGT	TGGGCTACAGGCTTGTC ACTC
IL-6(mouse)	TCTTGGGACTGATGCTG GTGA	GCAAGTGCATCATCGTT GTTCA
AT ₁ R(mouse)	AAATGGCCCTTAACTCT TCTACTG	ATTAGGAAAGGGAACAG GAAGC
LOX-1(mouse)	CTTCAAATCTCACAGCA GCACATC	ATCCTGCTGAGTAAGGTT CG
IL- β (mouse)	GCCCATCCTCTGTGACT CAT	CCAGCAGGTTATCATCAT CATCC
GAPDH(human)	GTGGTCTCCTCTGACTT CAACA	CTCTTCCTCTTGTGCTCT TGCT
LOX-1(human)	GACAGACAGACAGACA GACACA	CAGAGTTGAGAAGAGTT CATCTACA
BAX(human)	TGCTTCAGGGTTTCATC CA	GACACTCGCTCAGCTTCT TG
BCL2(human)	ATACCCTAATCCTCAAC CC	GCTCAAATACTGCCTCTG T
Caspase3(human)	TCCTGAGATGGGTTTAT GT	ATGTTTCCCTGAGGTTTG C
Caspase7(human)	GAAACGGAACAGACAA AGA	CTAAAGTGGGCTGTCAA AT
Caspase9(human)	GAGATTCGCAAACCAG AGG	TCACGGCAGAAGTTCAC AT

Figure S1

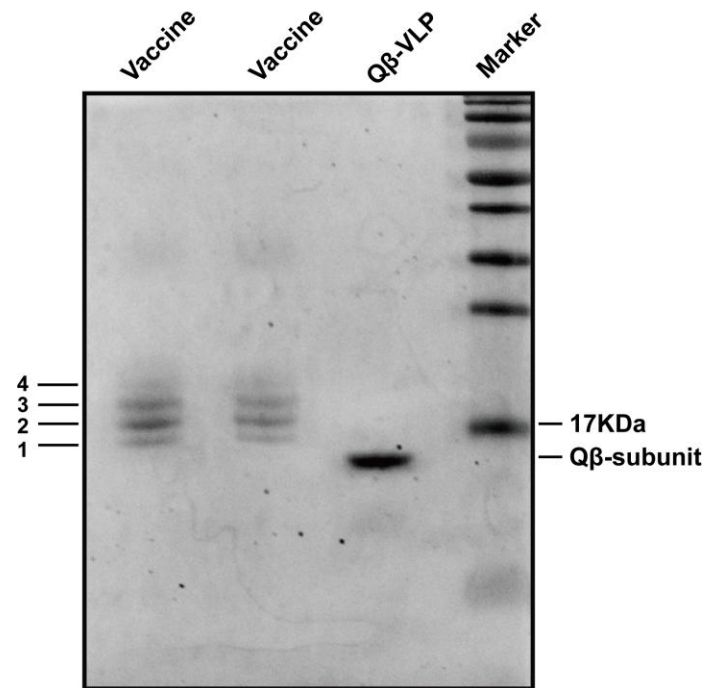


Figure S1. The figure showed the peptide ATR-001 conjugated to the VLP. Bands (1, 2, 3 and 4) represent a Qβ-subunit containing 1, 2, 3 or 4 peptides.

Figure S2

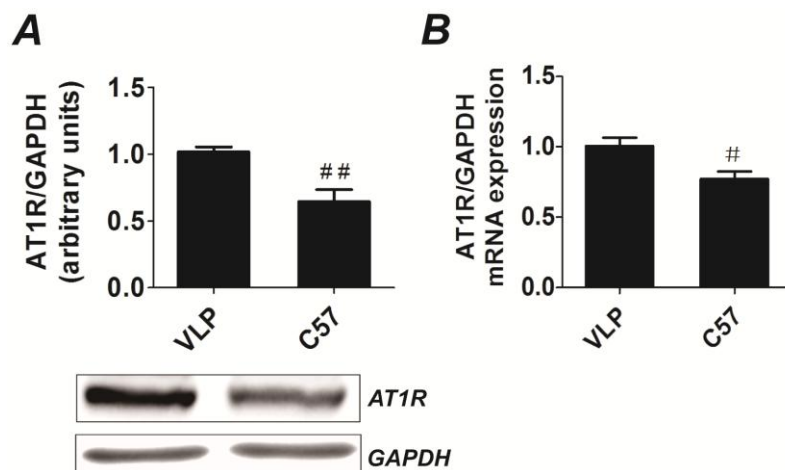


Figure S2. Quantification of AT₁R in the aortic of the VLP mice and the C57 mice by western blot and qRT-PCR. In contrast to the control C57 mice, the AT₁R is upregulated in the VLP mice. All data are expressed as means $\pm$ SEM. [#] P<0.05, ^{##} P<0.01 vs the VLP group.