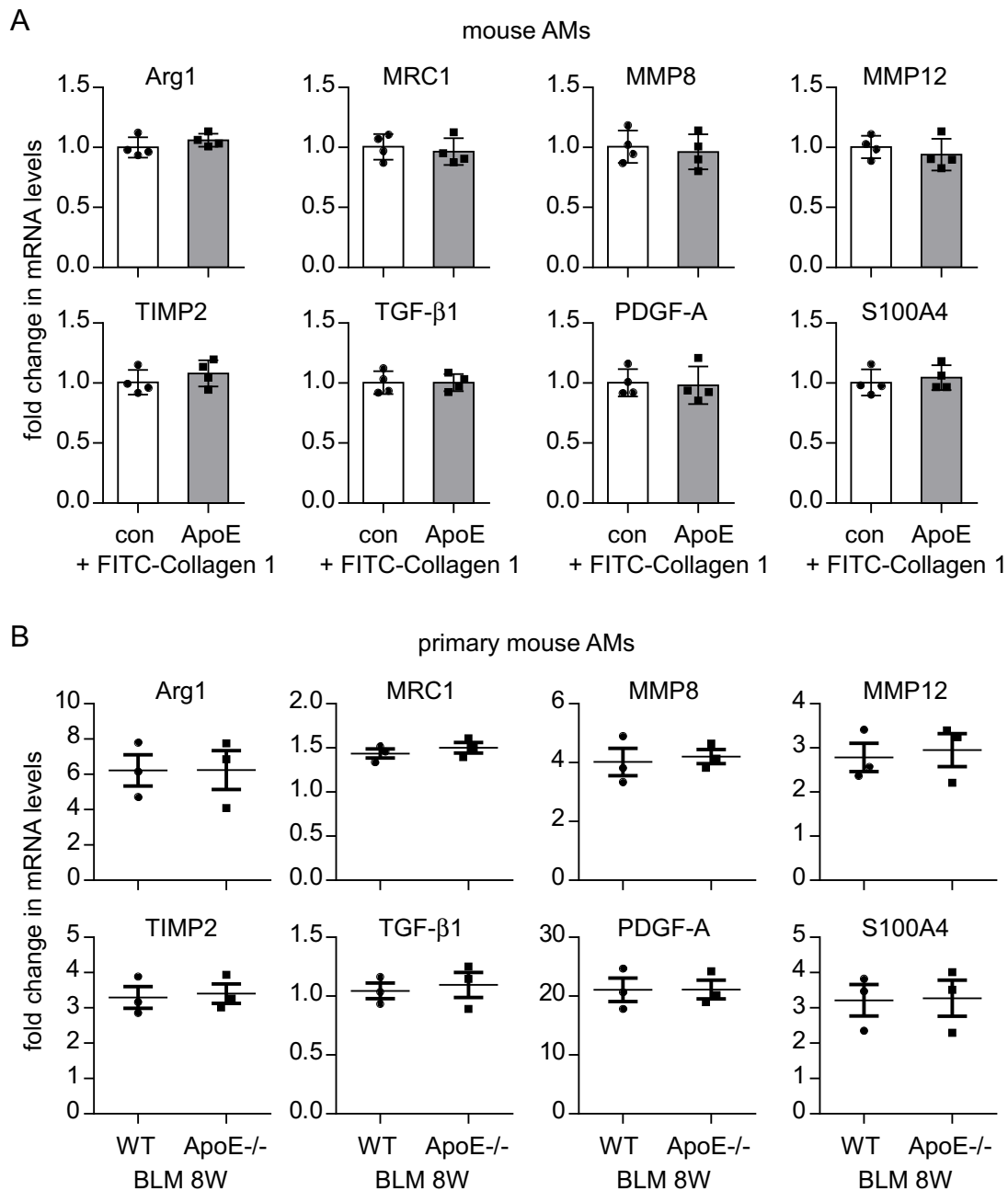
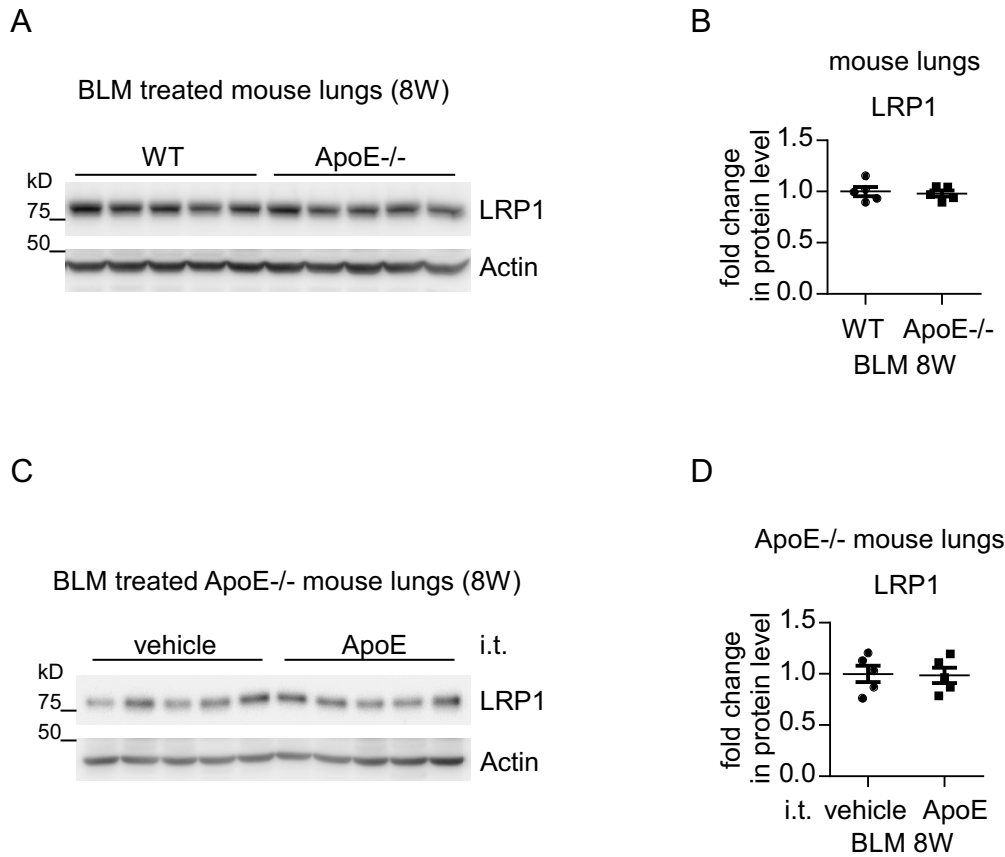


Supplemental Figure 1. ApoE is required for the resolution of bleomycin induced pulmonary fibrosis. (A) 6-week old wild-type and ApoE^{-/-} mice were i.t. instilled with saline or bleomycin (BLM, 1.5 U/kg in 50 µl saline). 5 weeks after treatment, mice were sacrificed and the levels of hydroxyproline in the lungs were determined. n=4, 4, 4, 7 mice for each group, respectively; mean±SEM; * $p < 0.05$, ** $p < 0.01$ by 1-way ANOVA with Bonferroni's post hoc test. (B) 6-week old wild-type and ApoE^{-/-} mice were i.t. instilled with saline or bleomycin (BLM, 1.5 U/kg in 50 µl saline). 3, 5 and 8 weeks after treatment, mice were sacrificed and the relative hydroxyproline levels in the lungs were evaluated. n=3, 7, 4, 11, 3, 6, 7, 12 mice for each group, respectively.



Supplemental Figure 2. ApoE regulated Collagen I uptake demonstrates no effect on the expression of the pro-fibrotic phenotype or mediators in alveolar macrophages. (A) FITC-conjugated type I Collagen (50 μ g/ml) was pre-incubated with conditioned media with or without mouse ApoE. The protein mixtures were then incubated with mouse alveolar macrophages for 4h at 37°C. Total RNAs were isolated and levels of the indicated genes determined by real-time PCR. n=4 for each group; mean \pm SD. (B) 6-week old wild-type and ApoE^{-/-} mice were i.t. instilled with saline or bleomycin (BLM, 1.5 U/kg in 50 μ l saline). 8 weeks after treatment, mice were sacrificed and AMs isolated. Total RNAs were purified and levels of the indicated genes determined by real-time PCR. n=3, 3; mean \pm SEM.



Supplemental Figure 3. ApoE does not affect the pulmonary LRP1 level during lung fibrosis. (A-B) 6-week old wild-type and ApoE^{-/-} mice were i.t. instilled with bleomycin (BLM, 1.5 U/kg in 50 μ l saline). 8 weeks after treatment, mice were sacrificed and lungs harvested. LRP1 protein levels in the lungs were determined by Western blotting (A) and densitometric analyses performed using ImageJ (B). $n=5, 5$; mean \pm SEM. (C-D) 6-week old ApoE^{-/-} mice were i.t. instilled with bleomycin (BLM, 1.5 U/kg in 50 μ l saline). Starting at 4 weeks after bleomycin treatment, mice were treated i.t. ApoE (1 μ g in 50 μ l saline) or saline alone, once every other day. 8 weeks after bleomycin injection, mice were sacrificed and lungs harvested. LRP1 protein levels in the lungs were determined by Western blotting (C) and densitometric analyses performed using ImageJ (D). $n=5, 5$; mean \pm SEM.

Supplemental Table 1. List of primer sequences used for real-time PCR

Gene	Sense (5'-3')	Antisense (5'-3')
Mouse		
Tubulin α 1	GGATGCTGCCAATAACTATGCTCGT	GCCAAAGCTGTGGAAAACCAAGAAG
ApoE	CTGGTTCGAGCCAATAGTGGAAGAC	CTGGATATGGATGTTGTTGCAGGAC
Col1A1	GGAGGGCGAGTGCTGTGCTTT	GGGACCAGGAGGACCAGGAAGT
Col3A1	CAATCCAGGTCCTCCAGGTTCTCC	ATGCCCACTTGTTCCATCTTTTCC
Fn	TCTGGGAAATGGAAAAGGGGAATGG	CACTGAAGCAGGTTTCTCTCGGTTGT
Eln	TGGAAACCCACAGGACAAGGAAATC	CCCCACAAAGAAGAAGCACCAACAT
Mertk	CAGTGAATATCATCATTCTGAACACA	CCAGAGAAATACACAAAATTAACCCG
Siglec-F	CCAAGGACAGCAAGTGTTAGAAGC	ATTACAGAAGAGGAAGAGAGGGCA
Cx3cr1	ACCCCTTTATCTACGCCTTTGCCG	AGAGACCCATCTCCCTCGCTTGTG
Arg-1	TGACTGAAGTAGACAAGCTGGGGAT	CGACATCAAAGCTCAGGTGAATCGG
MRC1	GGCAGTCACCATATTTTATTGGC	GCAAAGTTGGGTTCTCCTGTAGCC-
MMP8	GGTACCCCAAAGCATACCAAGC	CTCTGTGACTGACAAAATTAATGCAAAA
MMP12	CACTCCCAGGAATCAAGCCTAAAAT	AAAACCAGCAAGCACCCCTTACTACA
TIMP2	GCAACCCCATCAAGAGGATTCAAGT	CTTCTGGGTGATGCTAAGCGTGTG
TGF- β 1	ACGCCTGAGTGGCTGTCTTTTGA	GTTTGGGGCTGATCCCGTTGATT
PDGF-A	CTGTTGTAACACCAGCAGCGTCAAGT	CATTGGCAATGAAGCACCATACATAG
S100A4	TCCACAAATACTCAGGCAAAGAGGG	TGTTGCTGTCCAAGTTGCTCATCAC
Human		
Tubulin β 1	TGGAATCTGTTGCTCAGGTCCTT	AGTGGCCTTTGGCCAGTTGTTAC
Col1A1	AGGGCGACAGAGGCATAAAGGG	GGGACCAACAGGACCAGCATCAC
Col3A1	ATGCGGATAGAGATGTCTGGAAGC	TGACCATTAGGAGGGCGAGTAGGA
Fn	GTGTTGGGAATGGTCGTGGGGAATG	CCAATGCCACGGCCATAGCAGTAGC
α -SMA	CATCACCAACTGGGACGACATGGAA	GCATAGCCCTCATAGATGGGGACATTG