

Table S1 qRT-PCR primer sequences

Gene	Primer	Sequence	Product size (bp)	Organism
GAPDH	F	GGTGGTCTCCTCTGACTTCAACA	213	Homo sapiens
	R	TCTCTTCCTCTTGTGCTCTTGCT		
Gapdh	F	CATCACTGCCACCCAGAAGACTG	153	Mus musculus
	R	ATGCCAGTGAGCTTCCCGTTCAG		
LUMICAN	F	TCATCCATCTCCAGCACAATCG	250	Homo sapiens
	R	ATTCCACTATCAGCCAGTTCGTT		
Lumican	F	CCTCTCACACCGAACTGCCTCAT	216	Mus musculus
	R	TCACGCCAGCCTCTGGATGAAGT		
COL1A1	F	GATTCCCTGGACCTAAAGGTGC	107	Homo sapiens
	R	AGCCTCTCCATCTTTGCCAGCA		
COL3A1	F	GCTACGGCAATCCTGAACTTCC	236	Homo sapiens
	R	GCAACCATCCTCCAGAACTGTG		
α -SMA	F	TTACTACTGCTGAGCGTGAGATT	201	Homo sapiens
	R	CGATGAAGGATGGCTGGAACA		
E-cadherin	F	TACGCCTGGGACTCCACCTA	101	Homo sapiens
	R	CCAGAAACGGAGGCCTGAT		

Abbreviations: α -SMA, alpha-smooth muscle actin; COL1A1, alpha-1 type I collagen; COL3A1, alpha-1 type III collagen; GAPDH, Glyceraldehyde-3-Phosphate Dehydrogenase

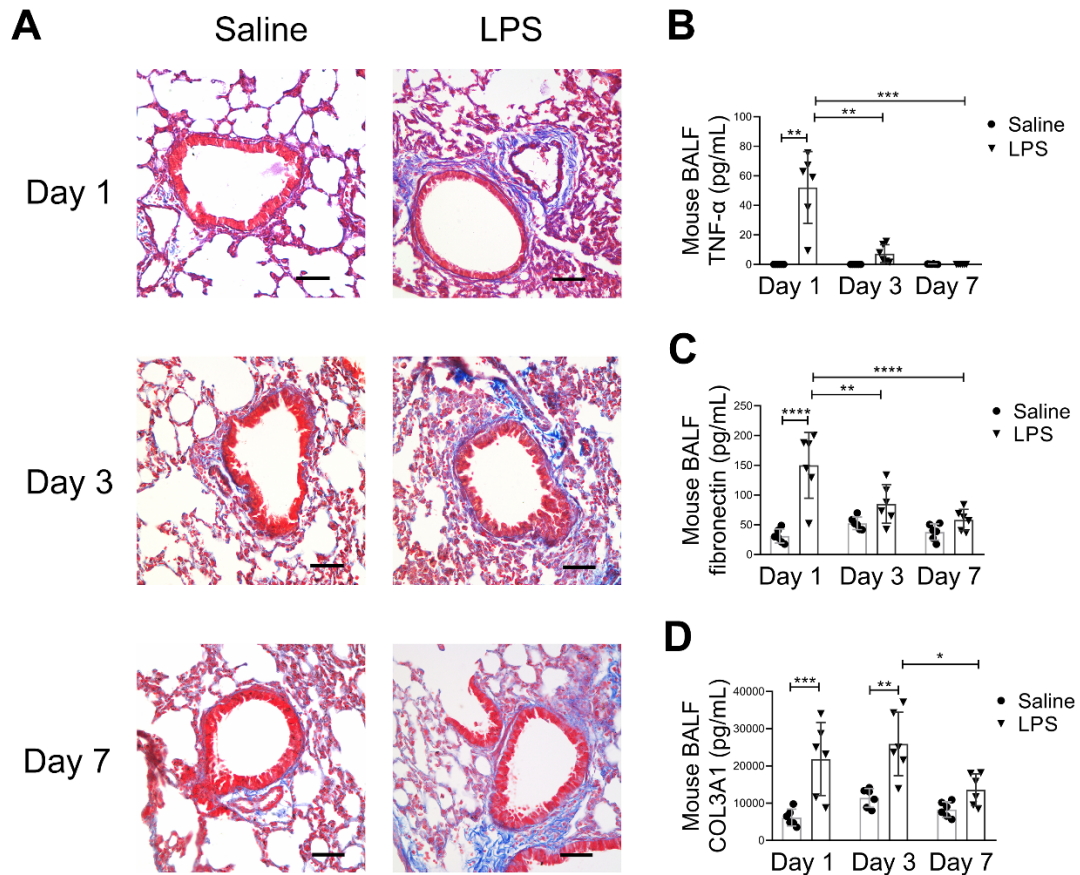


Fig. S1 Histopathology and BALF levels of proinflammatory and profibrotic cytokines in mice after LPS challenge. (A) Representative images of lung sections stained with Masson's trichrome stain in mice on days 1, 3, and 7 after LPS challenge. Scale bars, 50 μ m. The levels of TNF- α (B), fibronectin (C), and COL3A1 (D) in BALF were measured by ELISA on days 1, 3, and 7 after LPS challenge. Each group contained 6 mice. Values are expressed as the mean and standard deviation. The significance of between-group differences was examined using two-way analysis of variance followed by Tukey's multiple comparisons test to analyse the means of multiple samples. $p < 0.05$ was considered statistically significant. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.005$, **** $p < 0.0001$.

Abbreviations: BALF, bronchoalveolar lavage fluid; COL3A1, alpha-1 type III collagen; ELISA, enzyme-linked immunosorbent assay; LPS, lipopolysaccharides; TNF- α , tumor necrosis factor-alpha

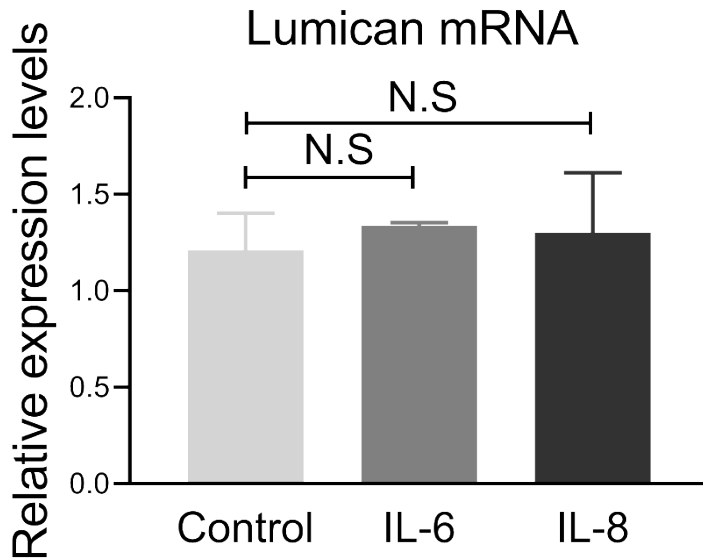


Fig. S2 Lumican mRNA levels in primary HLF treated with IL-6 or IL-8. The lumican mRNA levels in HLF treated with or without 10 ng/ml IL-6 or 10 ng/ml IL-8 for 48 h were detected by real-time RT-PCR. Values are expressed as the mean and standard deviation. Three independent experiments were conducted with triplicate wells per treatment in each experiment (n=3). The significance of between-group differences was examined using analysis of variance followed by Tukey's multiple comparisons test to analyse the means of multiple samples. $p < 0.05$ was considered statistically significant.

Abbreviations: HLF, primary human lung fibroblasts; IL, interleukin; RT-PCR, reverse-transcription polymerase chain reaction