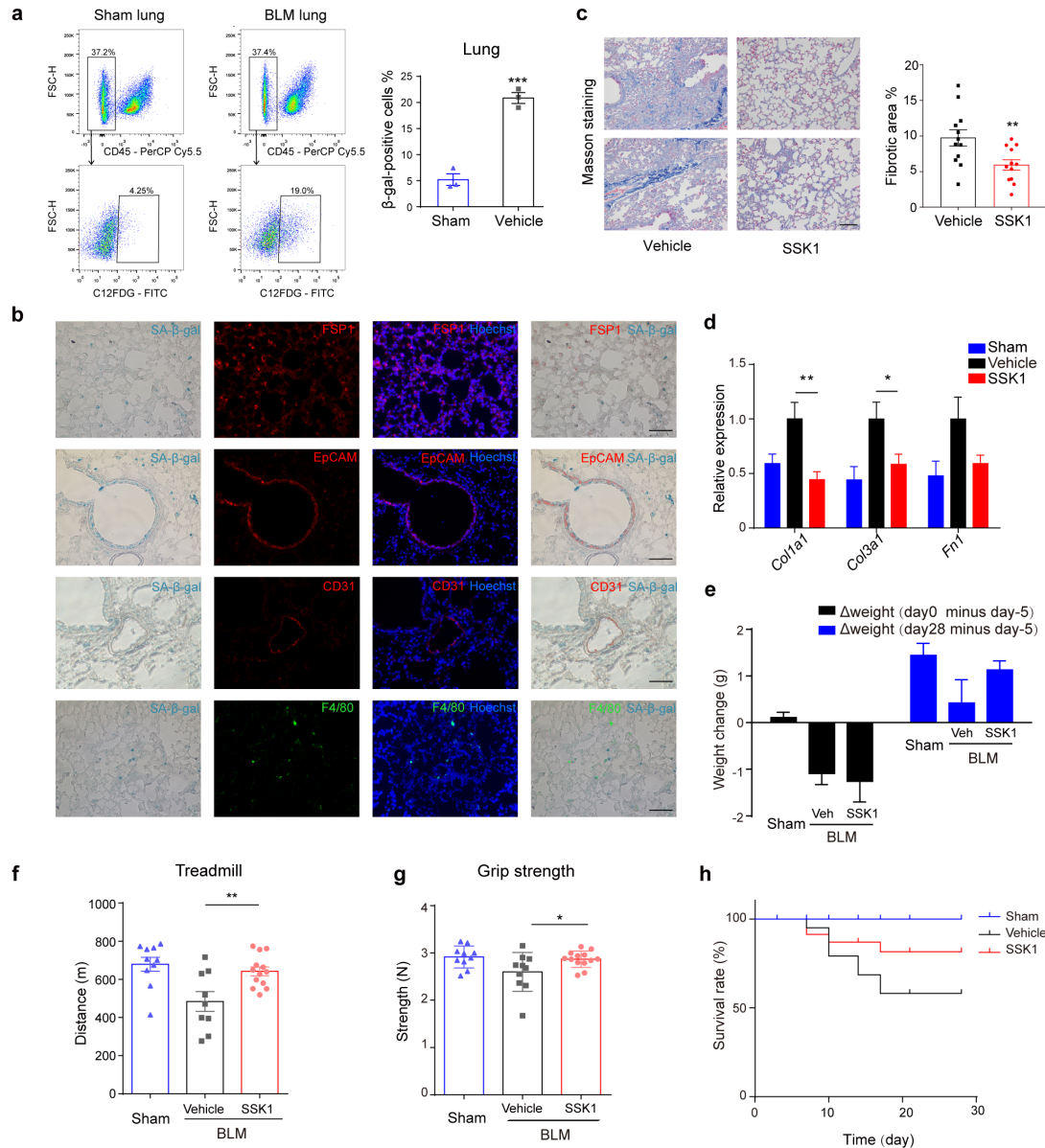


Supplementary information, Figure S4



Supplementary information Fig. S4: SSK1 attenuates lung fibrosis and improves physical function of bleomycin-induced mice.

a Flow cytometry analysis of lung cell suspensions from sham surgery (Sham) and bleomycin-induced mice. The representative dot plots of the non-hematopoietic cells (CD45⁻) and the β -gal-positive populations by staining C12FDG (**left**); The Percentage of non-hematopoietic β -gal-positive cells (**right**) ($n = 3$). **b** Representative images of co-immunofluorescence staining of FSP1 (S100A4), EpCAM, CD31 and F4/80 with SA- β -gal staining in bleomycin-

injured lungs, Scale bars, 200 μ m. **c** Representative Masson fibrosis staining (**left**) and quantification of the proportion of fibrosis (**right**) of lung paraffin sections from bleomycin-injured mice after vehicle or SSK1 (0.5 mg/kg) treatment (Vehicle-treated, $n = 12$; SSK1-treated, $n = 12$). Scale bar, 200 μ m. **d** Expression of fibrosis associated genes by RT-qPCR in lung tissues of sham surgery mice (Sham) and bleomycin-injured mice treated with vehicle or SSK1 (Sham, $n = 9$; vehicle-treated, $n = 9$; SSK1-treated, $n = 10$). **e** Body weight change of sham surgery and bleomycin-injured mice (BLM) 5 days after surgery and 4 weeks of vehicle or SSK1 treatment (Sham, $n = 10$; vehicle-treated, $n = 9$; SSK1-treated, $n = 12$). **f** Exhaustion distance in treadmill in sham surgery and bleomycin-injured mice treated with vehicle or SSK1 (Sham, $n = 10$; vehicle-treated, $n = 9$; SSK1-treated, $n = 13$). **g** Grip strength of four limbs in sham surgery and bleomycin-injured mice treated with vehicle or SSK1 (Sham, $n = 10$; vehicle-treated, $n = 10$; SSK1-treated, $n = 13$). **h** Percentage of survival of sham surgery and bleomycin-injured mice treated with vehicle or SSK1 (Sham, $n = 10$; vehicle-treated, $n = 19$; SSK1-treated, $n = 19$). Each data point represents an individual mouse. 'n' represents number of mice. Data are presented as means $\pm$ SEM. Unpaired two-tailed t -test, * $P < 0.05$, ** $P < 0.01$.