Supplementary Figure S1. Expression and localization of S100A9 in mice with bleomycin (BLM)-induced pulmonary fibrosis.

(A) Time course of S100A9 mRNA expression evaluated using real-time quantitative reverse-transcription PCR and (B) S100A9 protein expression evaluated using western blot analysis in the lungs before (day 0) or at 3, 7, 14, 21, or 28 days after implantation with osmotic minipumps containing BLM. Data normalized to β-actin levels are shown as fold change from the results on day 0. (C) Immunohistochemical analysis of S100A9 in the subpleural and central areas of the lungs before (day 0) or at 14 or 28 days after BLM administration. High expression of S100A9 was observed in inflammatory cells in both the central and subpleural regions of the lungs and in the fibrotic interstitium, especially on day 14. Scale bar = 100 μm. Data are presented as box-and-whisker plots (n = 4 per group); boxes
represent the 25th to 75th percentiles, solid lines within the boxes show the median values, and whiskers represent the 10th and 90th percentiles. *p < 0.05 vs. the results on day 0.