

Supplemental Figure 1. Whole lung imaging of fibrosis. C57Bl/6NCr mice were exposed to 5x6 Gy of thoracic IR and treated with rPAI-123 or vehicle. (A) Masson trichrome staining of lung at 19 weeks after IR. The lungs of vehicle-treated mice exhibited extensive foci of subpleural fibrosis while those of rPAI-123 treated mice exhibited minimal fibrosis. Collagen: blue, nuclei: purple, cytoplasm/epithelia: pink. (B) In separate tissue sections, staining was performed in the same fashion as the Masson Trichrome stain, however hematoxylin and acid fuchsin were omitted, resulting in a pure collagen stain (blue).

Supplemental Figure 2. Survival of Mice treated with rPAI-123 or vehicle after irradiation. C57Bl/6NCr mice were exposed to 5x6 Gy of thoracic IR and treated with rPAI-123 or vehicle (N=8 mice per group). Mice were followed until 19 weeks for tissue collection. Moribund mice were euthanized.

Supplemental Figure 3. Densitometry of Western Blots. The relative expression of Fibrin polymers (A), monomers (B), and degradation products was assessed with densitometry of western blots. The expression of each was normalized to actin. A similar analysis was performed for MMP-3 (D).