

Supplementary materials

Title

Inhibition of post-surgery tumour recurrence via a sprayable chemo-immunotherapy gel releasing PD-L1 antibody and platelet-derived exosomes

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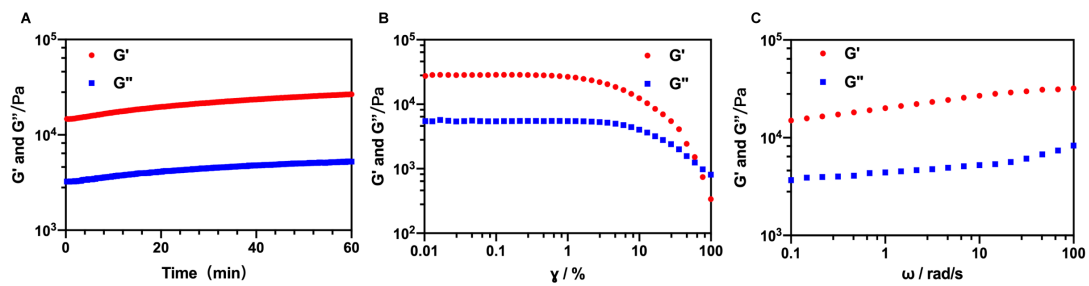


Figure S1. Oscillatory rheology of aPD-L1-PexD-Gel in (a) dynamic time sweep,(b) dynamic strain sweep,and (c) dynamic frequency sweep.

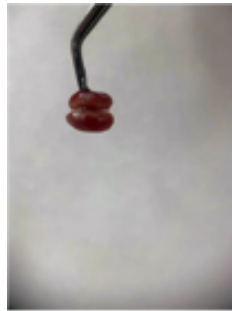


Figure S2. Use gel to stick the two kidneys of the mouse together.

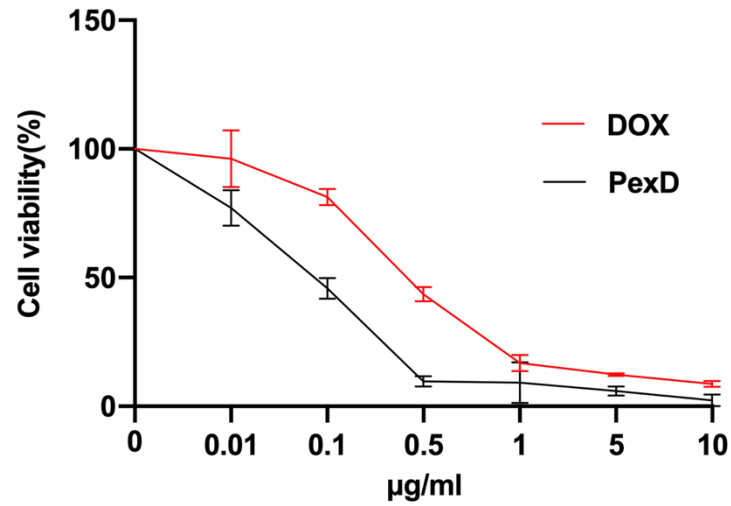


Figure S3. Invitro cytotoxicity after 24 hours of different treatments of B16-F10 cells with different concentrations of DOX and PexD.

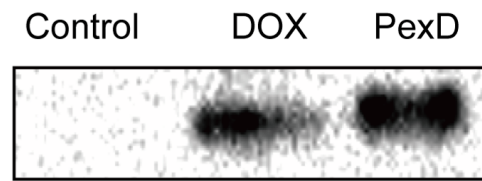


Figure S4. Representative Western blot analysis of HMGB1 release from B16-F10 cells treated with PexD or DOX for 24 h at 37 °C.

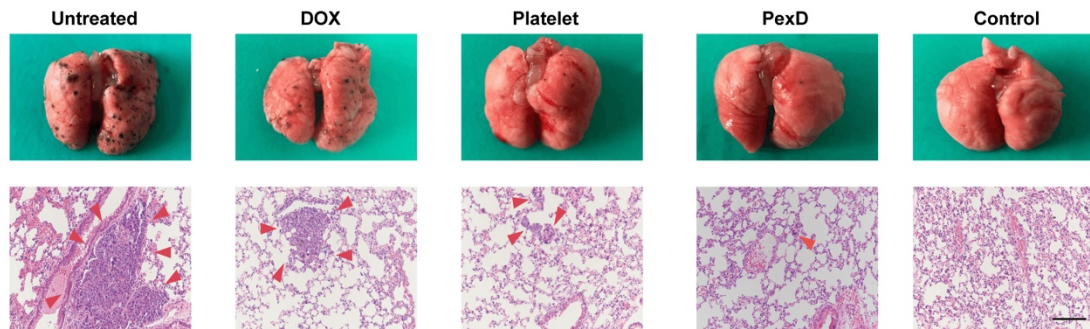


Figure S5. Photos of Bouin's solution stained whole lungs and H&E staining of the lung slices collected from Tumour、DOX、Platelet-DOX、PexD、Saline groups. Red arrows demonstrate the visible metastatic site. Scale bars: 1 mm.

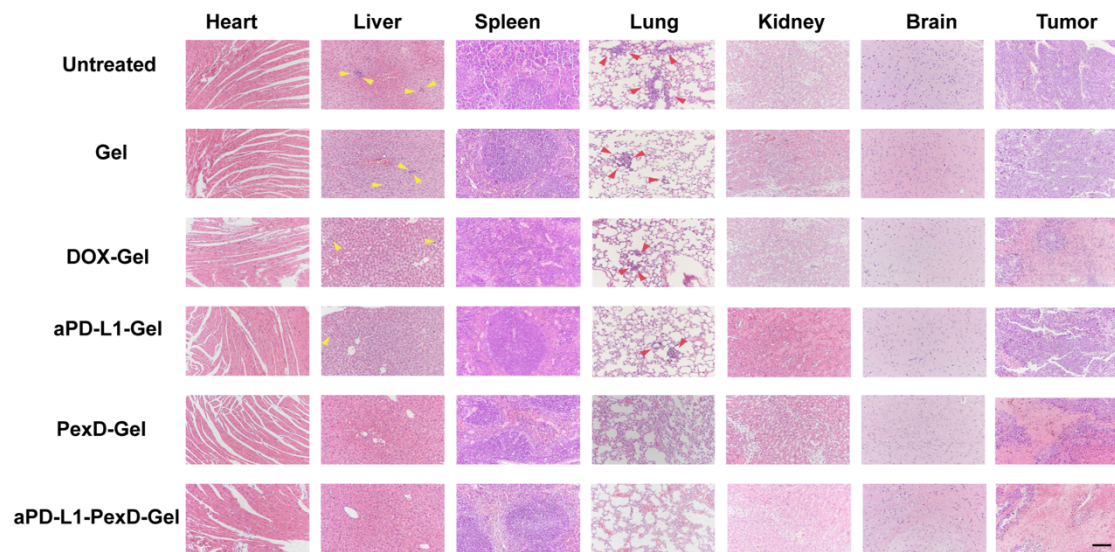


Figure S6. Photos of Bouin's Fluid staining for lungs and H&E staining for major organs slices. The yellow and Red arrows demonstrate the lung and liver metastases. Scale bars: 1 mm.



Figure S7. (A)(B) Tumours and spleens after different treatments (n = 5). (C)(D) Quantitative graph of tumour and spleen weight. (C)(D) ****P < 0.001 Scale bars: 1 cm.