Electronic Supplementary Material (ESI) for RSC Advances.

A novel immunochemotherapy based on immunogenicity-activated and immunosuppression-reversed biomimetic nanoparticles

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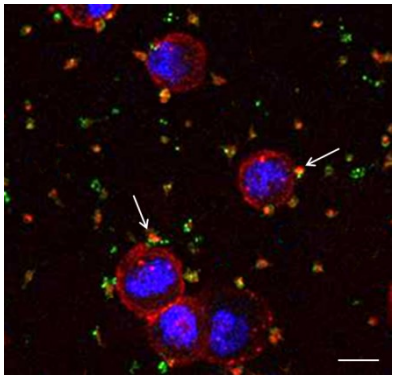

Figure S1. Fluorescence images of EL4 cells co-cultured with platelets for 24 hour. Rhodamine-labeled phalloidin was used to stain cytoskeletons (red) and DAPI stained nuclei (blue). FITC-labeled anti-CD41 antibodies were utilized to mark the platelet membranes. The conjugation of platelets and tumor cells was indicated by white arrows. Scale bar: 10 μm.

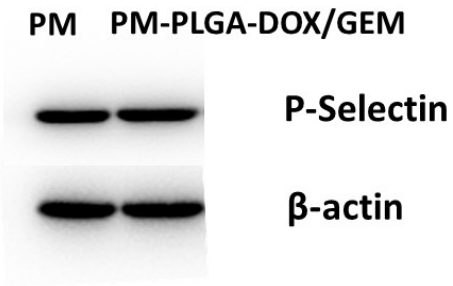

Figure S2. P-Selectin expression levels in platelet membranes (PM) and PM-PLGA-DOX/GEM nanoparticles.

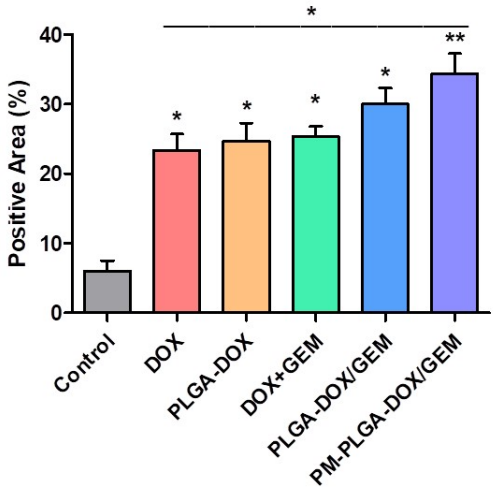

Figure S3. Positive area of CRT immunofluorescence on EL4 cells with different treatments. * $P < 0.05$, ** $P < 0.01$.

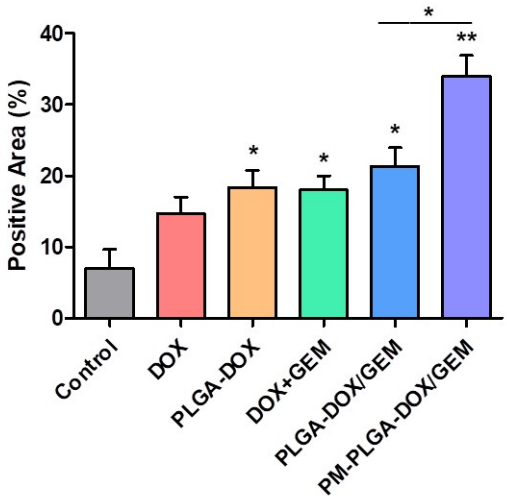

Figure S4. Positive area of TUNEL staining in tumors isolated from mice that received different treatments. * $P < 0.05$, ** $P < 0.01$.

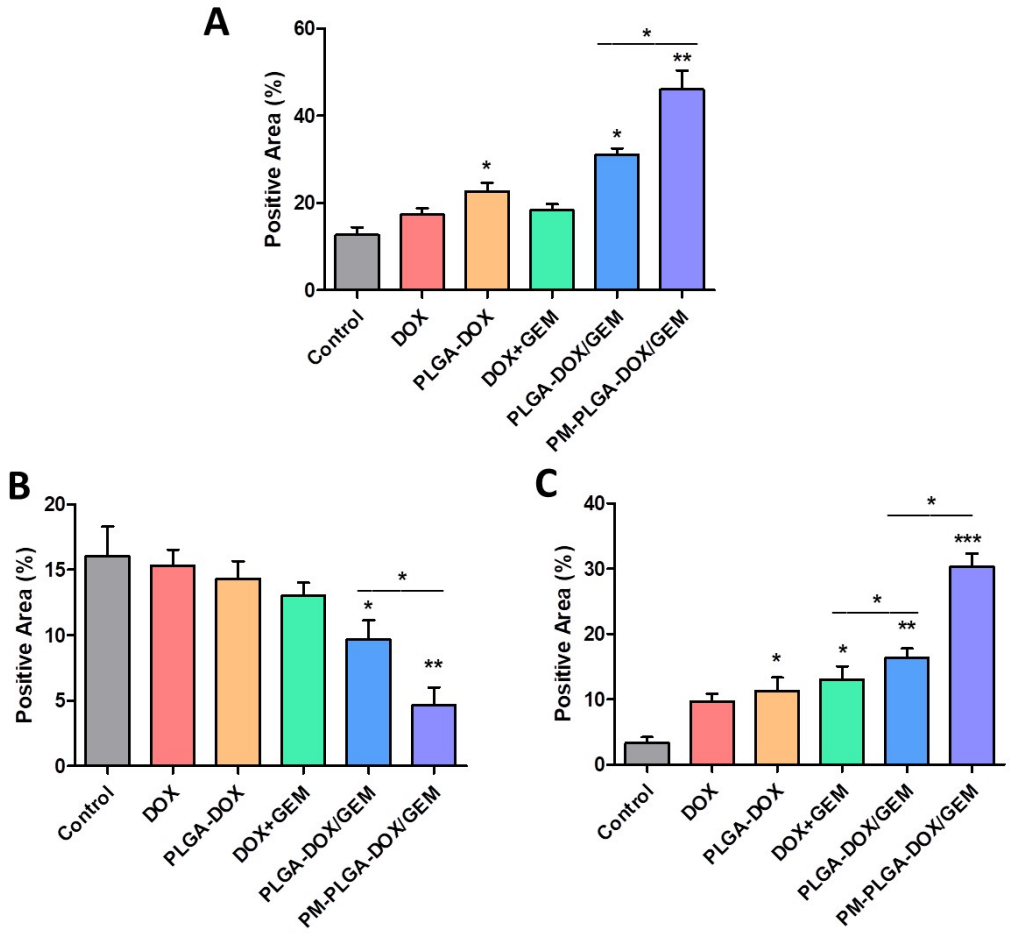

Figure S5. Positive area of immunofluorescence for CRT (A), MDSCs (B) and $CD8^+$ T cells (C) in tumor tissues after different treatments. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

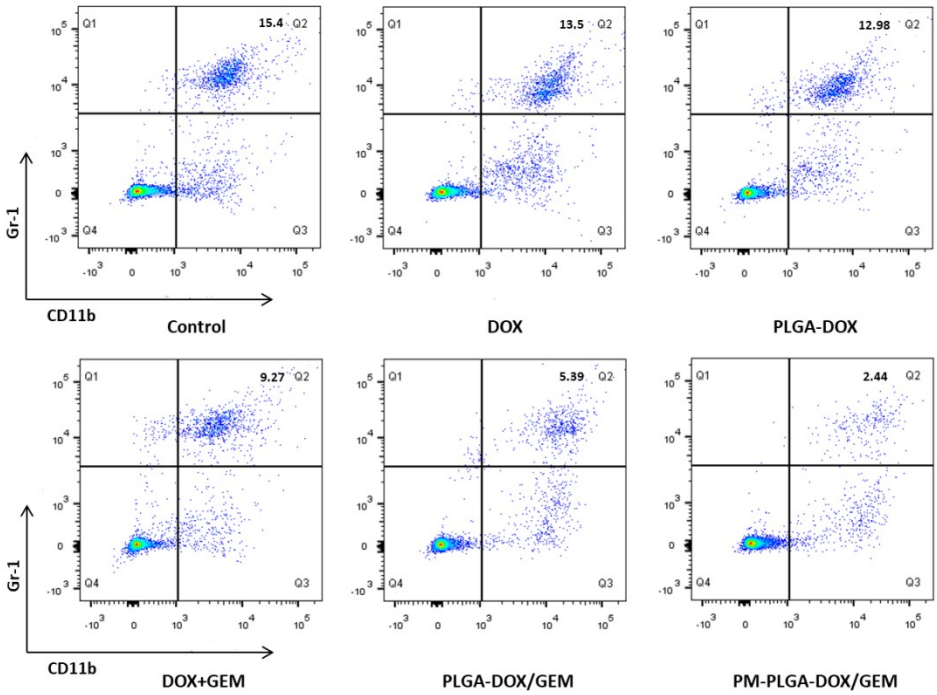

Figure S6. MDSCs ($CD11b^{+}Gr\text{-}1^{+}$) in tumor tissues with different treatments quantified using flow cytometric analysis.

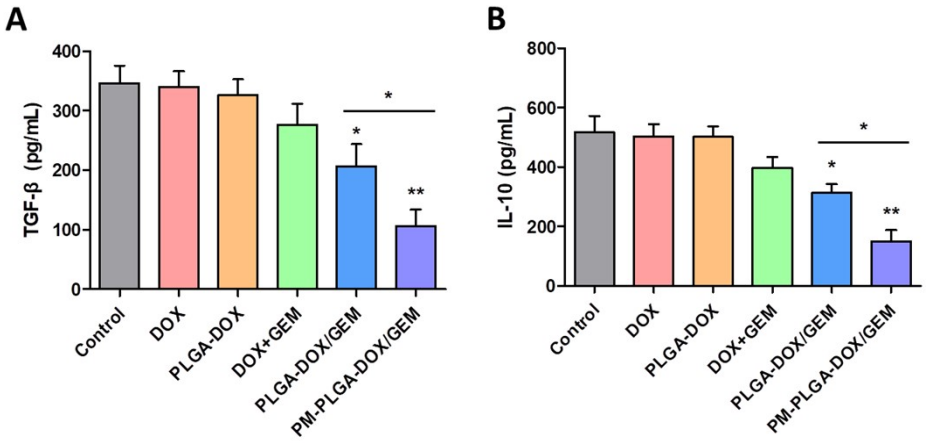

Figure S7. ELISA assay for TGF-β (A) and IL-10 (B). Infiltrated MDSCs in tumors that received different treatments were isolated and cultured for 24 h. The supernatant was analyzed by ELISA assay. *$P < 0.05$, ** $P < 0.01$.

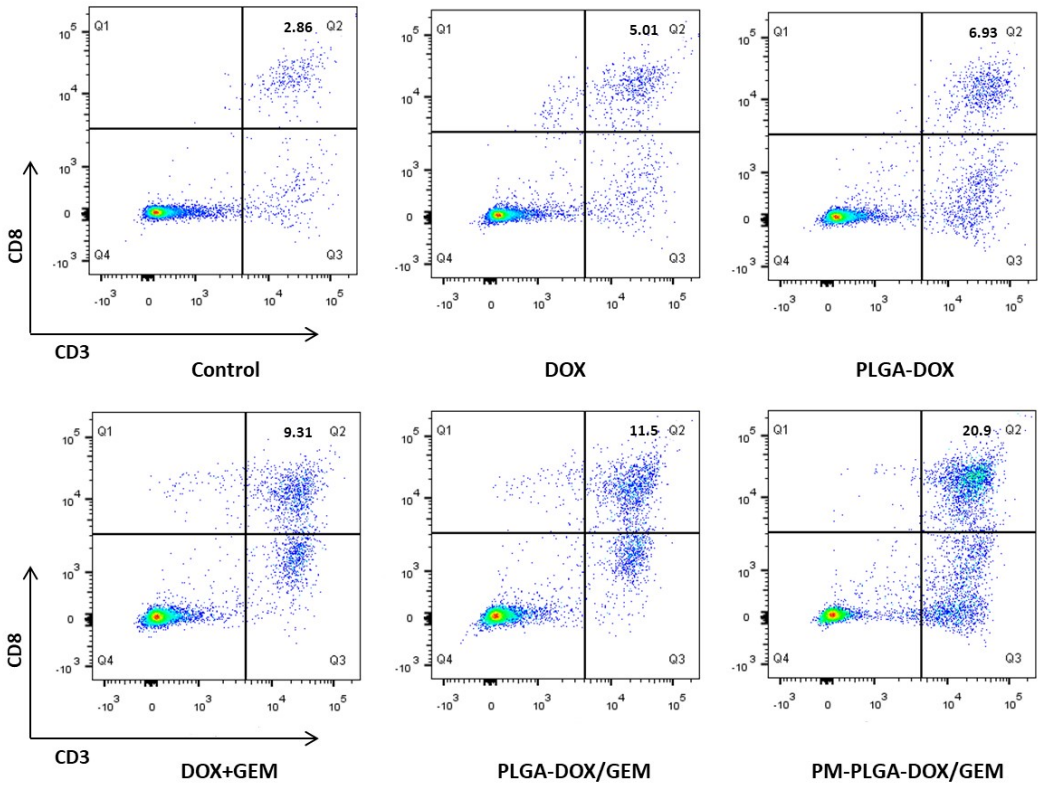

Figure S8. Cytotoxic T lymphocytes (CTLs, $CD3^{+}CD8^{+}$) in tumor tissues with different treatments quantified using flow cytometric analysis.