

Supplementary Information

Enzymatically Synthesized Poly(amino-co-ester) Polyplexes for Systemic Delivery of pcDNA-miRNA-214 to Suppress Colorectal Cancer Liver Metastasis

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Supplementary Information

Figure S1

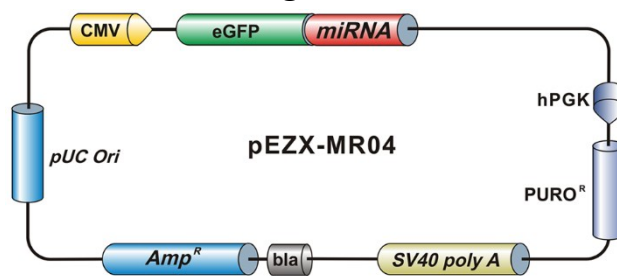


Figure S1. Construction of pcDNA-miRNA-214.

Supplementary Information

Figure S2

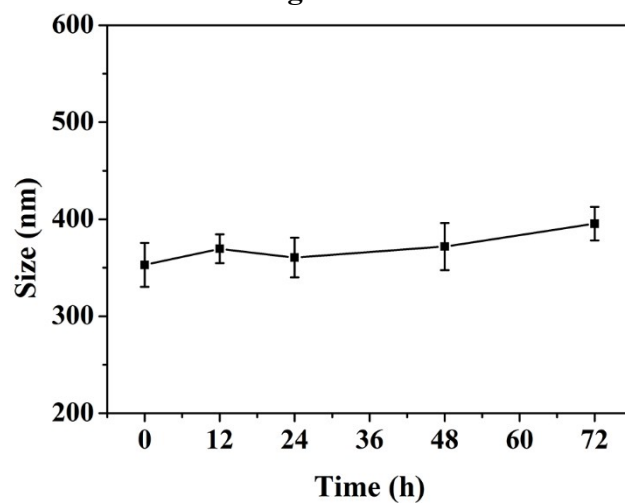


Figure S2. Stability of the quaternary polyplexes in PBS (pH 7.4, 0.01 M) containing 10% FBS (v/v). Data are given as the mean \pm SD (n = 3)

Supplementary Information

Figure S3

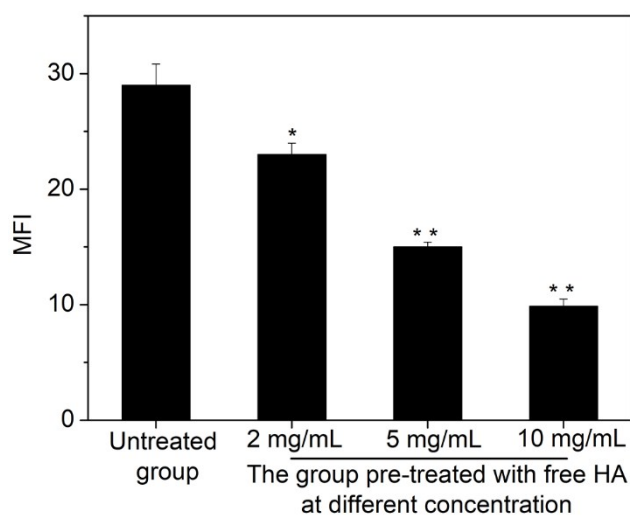


Figure S3. Flow cytometry analysis results of HCT116 cells treated with fluorescence-labeled quaternary polyplexes after the cells were pretreated with HA (25 kDa) at different concentration (2, 5, 10 mg/mL). * and ** represent that there exist the significant or extremely significant difference between the untreated group and the group pre-treated with free HA at different concentration. Data are given as the mean \pm SD (n = 3)

Supplementary Information

Figure S4

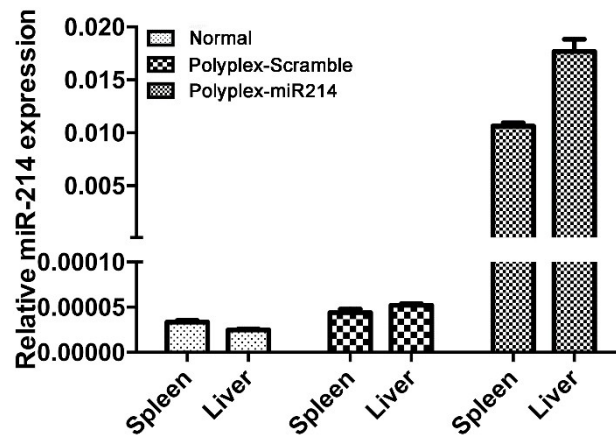


Figure S4. The miR-214 expression level of the spleen and liver after the treatment of saline, polyplex-scramble and polyplex-miR214. Data are given as the mean \pm SD (n = 6).

Figure S5

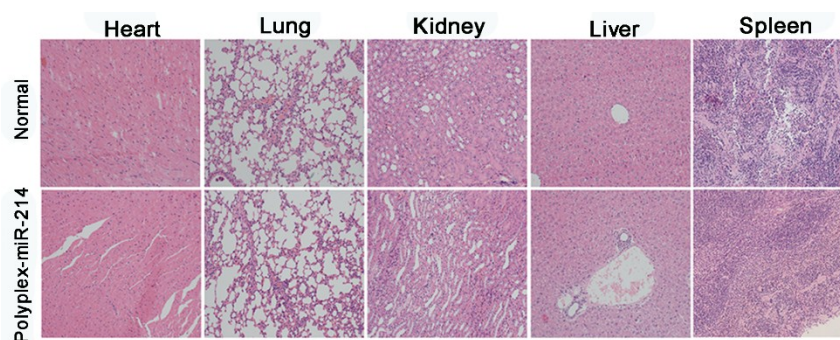


Figure S5. H&E staining of vital organs showed biological compatibility and organ specific safety of the quaternary polyplexes.