

Supporting Information

Cationic Poly(amino acid) Surface Functionalized Manganese Nanoparticles for Nitric Oxide-Based Immunotherapy and Magnetic Resonance Imaging

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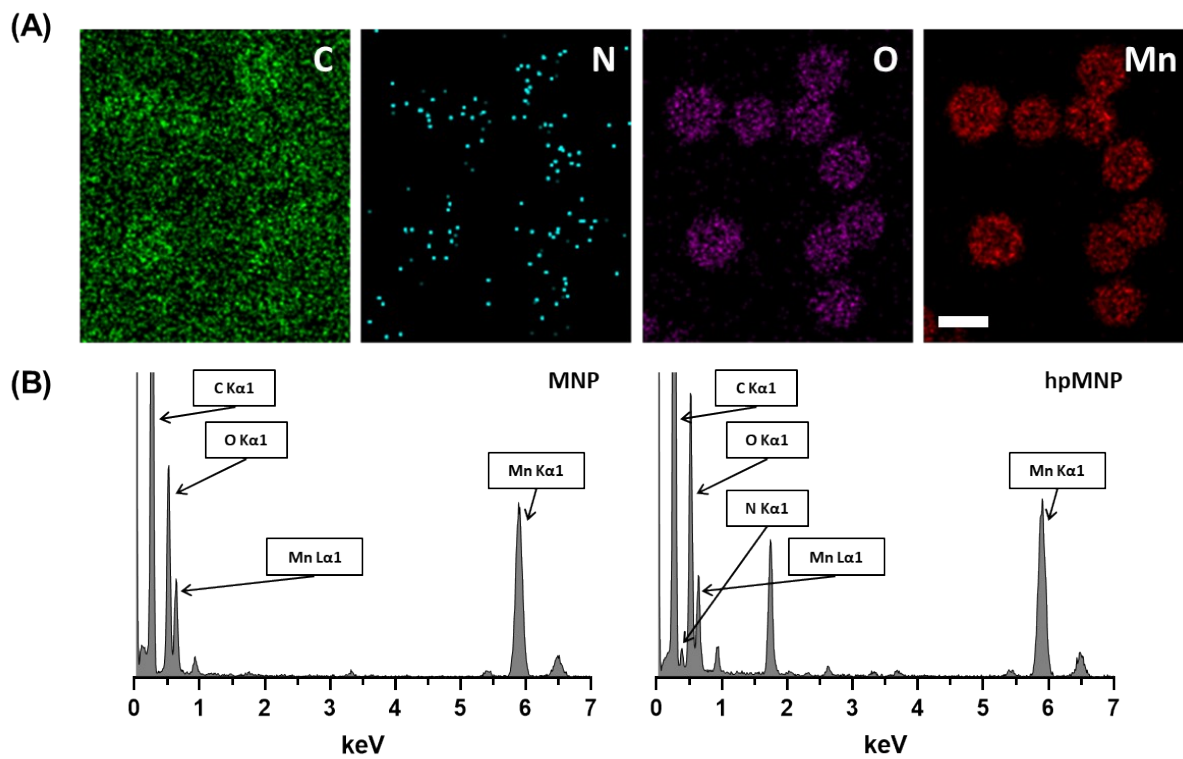


Figure S1. (a) STEM-EDS elemental maps of the MNPs. The scale bar in the image for EDS maps is 100 nm. (b) EDS spectrum data representative of MNPs and hpMNPs.

Element	Weight	Atomic %
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	(%)	
C	65.92	80.22
N	0	0
O	15.55	15.12
Mn	17.53	4.66

Table S1. Quantitative data for the elements in MNPs, as obtained after EDS mapping.

Element	Weight (%)	Atomic %
C	66.47	78.75
N	2.21	2.24
O	17.28	15.37
Mn	14.05	3.64

Table S2. Quantitative data for the elements in hpMNPs, as obtained after EDS mapping.

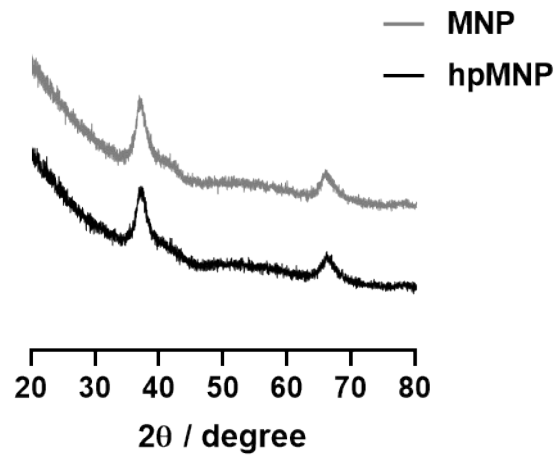


Figure S2. XRD spectra for MNPs (grey) and hpMNPs (black).

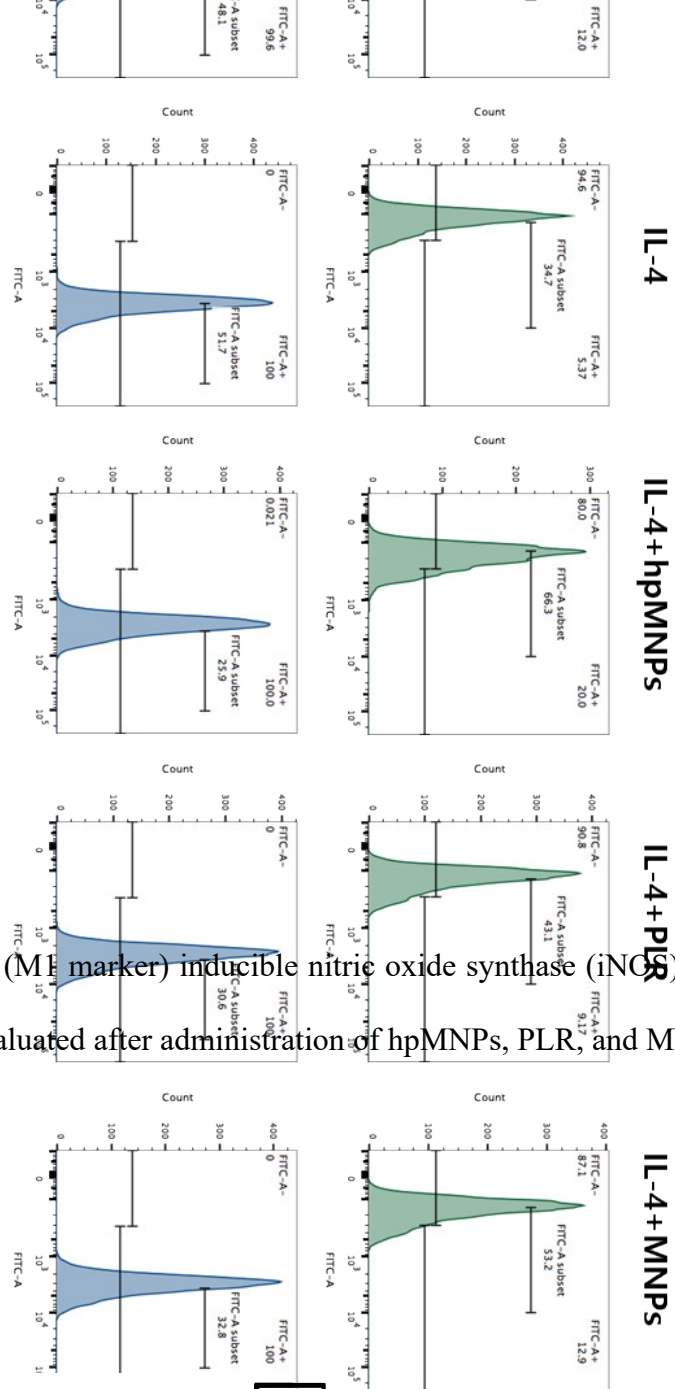


Figure S3. Flow cytometry analysis of (M1 marker) inducible nitric oxide synthase (iNOS) and (M2 marker) CD206 expression was evaluated after administration of hpMNPs, PLR, and MNPs.

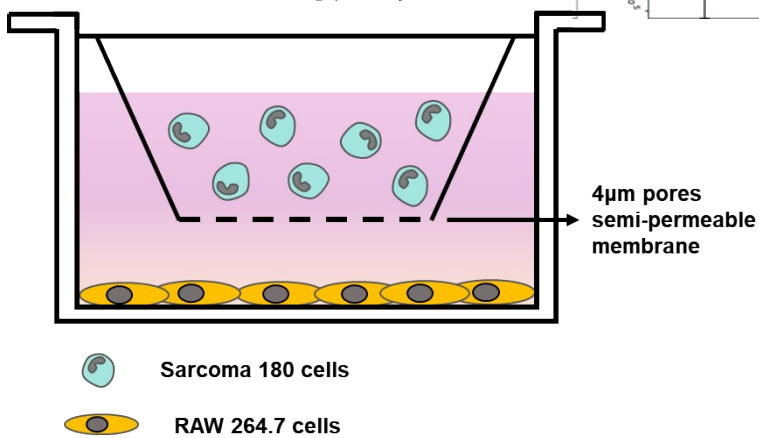


Figure S4. Schematic illustration of the transwell system.

