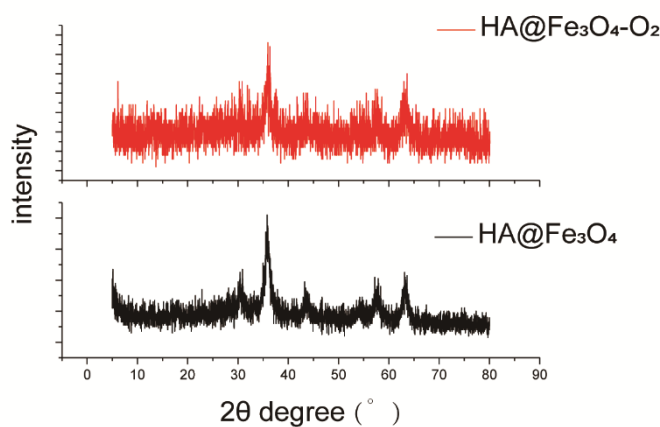
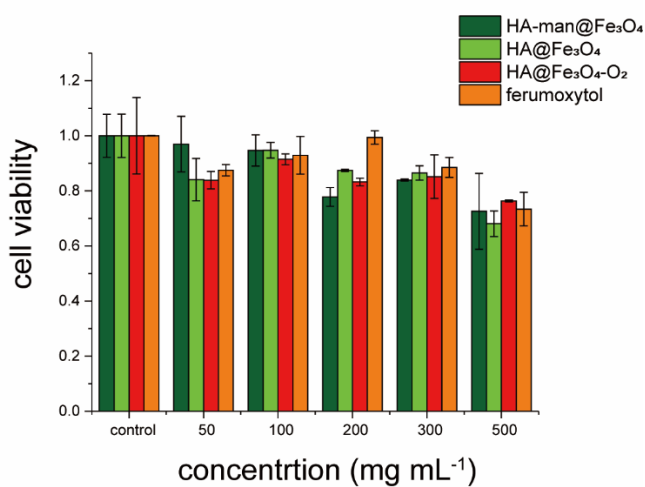

Mannose and Hyaluronic Acid Dual-modified Iron Oxide Enhances Neoantigen-based Peptide Vaccine Therapy by Polarizing Tumor-associated Macrophages

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Supporting Information



Supplementary Figure S1. The XRD spectrum of HA@Fe₃O₄ and HA@Fe₃O₄-O₂.



Supplementary Figure S2. The CCK8 results of HA@Fe₃O₄, HA@Fe₃O₄-O₂, HA-man@Fe₃O₄ and ferumoxytol. Raw264.7 cells were co-cultured with materials for 24 hours before test.

Supplementary Table S1. Sequence of qPCR primers in article.

Name	Forward	Backward
STAT1	5'-GTCATCCCGCAGAGAGAACG-3'	5'-GCAGAGCTGAAACGACCTAGA-3'
NF- κ B	5'-CCTGCTTCTGAGGGTGATG-3'	5'-GCCGCTATATGCAGAGGTGT-3'
AP-1	5'-TTGTTACAGAAGCGGGGACG-3'	5'-GAGGGCATCGTCGTAGAAGG-3'
IRF5	5'-CCCTGTCCCAGACCCAAATC-3'	5'-AGGTCCGTCAAAGGCAACAT-3'
iNOS	5'- GTTCTCAGCCCAACAATACAA GA-3'	5'- GTGGACGGGTCGATGTCAC-3'
CD86	5'- TCAATGGGACTGCATATCTGCC-3'	5'- GCCAAAATACTACAGCTCACT-3'
Arginase I	5'- TGTCCCTAATGACAGCTCCTT-3'	5'- GCATCCACCCAAATGACACAT-3'
CD206	5'- AGGCTGATTACGAGCAGTGG-3'	5'- CCATCACTCCAGGTGAACCC-3'
β -actin	5'- GGAGATTACTGCCCTGGCTCC TA-3'	5'-GACTCATCGTACTCCTGCTTGC TG-3'
IL-10	5'-GCATGGCCCAGAAATCAAGG-3'	5'-GAGAAATCGATGACAGCGCC-3'
TNF- α	5'- CCATCACTCCAGGTGAACCC-3'	5'- CGATCACCCCGAAGTTCAGTAG-3'