**Additional Figure**

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**Figure S1.** **The confocal microscopy revealed that HMC3 cells phagocytized exosomes released by U251 and U87 cells.**



**Figure S2. Radiotherapy increased the number of exosomes secreted by glioblastoma multiforme (GBM) cells. A.** Transmission electron microscopy demonstrated that the secreted exosomes were rounded particles with a double-layer membrane. **B.** The size of these exosomes was approximately 80–100 nm. **C.** Nanoparticle tracking analysis indicated that radiotherapy increased the number of exosomes secreted by U251 and U87 cells.

**Additional Table 1.**

|  |  |
| --- | --- |
| GENE | SEQUENCE |
| mir-340-5p mimics | 5′-UUAUAAAGCAAUGAGACUGAU U-3′5′-UCAGUCUCAUUGCUUUAUAAUU-3′ |
| miR-NC | 5′-UUCUCCGAACGUGUCACGUTT-3′5-ACGUGACACGUUCGGAGAATT-3′ |
| anti-miR-340-5p | 5′-AAUCAGUCUCAUUGCUUUAUAA-3′ |
| circ\_0012381 | 5`-ATATGGAAATCCAAAGCTTTCAAGAGAAGCTTTGGATTTCCATATTT-3` |
| circ-NC | 5`-GTATGACAACAGCCTCAAGTTCAAGAGACTTGAGGCTGTTGTCATACTT-3` |
| anti-circ\_0012381 | 5`-TTCTCCGAACGTGTCACGTTTCAAGAGAACGTGACACGTTCGGAGAATT-3` |

**Additional Table 2.**

|  |  |
| --- | --- |
| GENE | primer |
| CD163 | forward | 5′-GGCTTGCAGTTTCCTCAAGA-3′ |
| reverse | 5′-GACACAGAAATTAGTTCAGCAGCA-3′ |
| IL-10 | forward | 5′-GGCACCCAGTCTGAGAACAG-3′ |
| reverse | 5′-TGGCAACCCAGGTAACCCTTA-3′ |
| IL-1 | forward | 5′-TGCTACTTTATGGGCAGCAG-3′ |
| reverse | 5′-GGTCGGCAGATCGTCTCTAAA-3′ |
| TGFβ1 | forward | 5′-CTGCAAGTGGACATCAACGG-3′ |
| reverse | 5′-TCCGTGGAGCTGAAGCAATA-3′ |
| CCL2 | forward | 5′-TGCAATCAATGCCCCAGTCA-3′ |
| reverse | 5′-GGGTCAGCACAGATCTCCTT-3′ |
| TNFα | forward | 5′-CTGCACTTTGGAGTGATCGG-3′ |
| reverse | 5′-TCAGCTTGAGGGTTTGCTAC-3′ |
| GAPDH | forward | 5′-GGAGCGAGATCCCTCCAAAAT-3′ |
| reverse | 5′-GGCTGTTGTCATACTTCTCATGG-3′ |
| circ\_0012381 | forward | 5’-GACTTATAAATATGGAAATCCAAAGC-3’ |
| reverse | 5’-AAGTCCCCAGGAAGAGAAGC-3’ |
| miR-340-5p | forward | 5’-CAACCAACCTTATAAAGCAATGAG-3’ |
| reverse | 5’-TATGCTTGTTCTCGTCTCTGTGTC-3’ |
| CCR2 | forward | 5ʹ-CCACATCTCGTTCTCGGTTT ATC-3ʹ |
| reverse | 5ʹ-CAGGGAGCACCGTA ATCATAATC-3ʹ |
| GAPDH | forward | 5ʹ-TGACTTCAACAGCGACACCCA-3ʹ |
| reverse | 5ʹ-CACCCTGTTGCTGTAGCCAAA-3ʹ |