

Supplementary Materials

Supplementary Table 1

Primer sequences used for qRT-PCR

Gene	Sequence (5' to 3')
<i>RAB5A</i>	F-CAAGAACGATACCATAGCCTAGCAC R-CTTGCCTCTGAAGTTCTTTAACCC
<i>CD163</i>	F-TTTGGACAAGCCGTGACTAGA R-CATTCCCAGGTGTTGACATTCC
<i>Arg1</i>	F-GTGGAAACTTGCATGGACAAC R-AATCCTGGCACATCGGGAATC
<i>IL-10</i>	F-CCTCCGTCTGTGTGGTTTGAA R-CACTGCGGTAAGGTCATAGGA
<i>iNOS</i>	F-GTTCCAGATGAATACTGGCAGTC R-GCAACTGAACACTATCTTTCCCT
<i>IL-1β</i>	F-ATGATGGCTTATTACAGTGGCAA R-GTCGGAGATTTCGTAGCTGGA
<i>YOD1</i>	F-CTCCCCAAGTGTCATCCCTT R-CTGTGCTTACCAGAACCGTG
<i>FASLG</i>	F-CAAGGTCCATGCCTCTGG AA R-TTGACCAGAGAGAGCTCAGATACG
<i>TGFBI</i>	F-GTGTGTGCTGTGCAGAAGGT R-CATATCCAGGACAGCACTCG
<i>IL12A</i>	F-GATGGCCCTGTGCCTTAGTA R-TCAAGGGAGGATTTTTGTGG
<i>PEL11</i>	F-TGTAGTAACTGACACGGTTCCT R-TCCATCTGATGTCTTCCATTTGG

Supplementary Table 2

Putative miRNAs previously reported involved in macrophage polarization and their corresponding references.

Micro RNAs	Role of miRNAs in macrophage polarization
miR-375	Facilitating the migration and infiltration of tumor-associated macrophage (TAM) ^[1] .
miR-99b	Facilitating the transformation into M1 macrophage ^[2] .
miR-222-3p	Facilitating the M1 macrophages transform to M2 macrophages ^[3] .
miR-511-3p	Suppressing the tumor-promoting effects of TAM ^[4] .
miR-21	Facilitating the TAM transform into tumor-promoting phenotypes ^[5, 6] ; Facilitating the M1 macrophages transform to M2 macrophages ^[7] .
miR-145	Facilitating the M1 macrophages transform to M2 macrophages ^[8] .
miR-125a	Facilitating the M1 macrophages, and suppressing the M2 macrophages ^[9] .
miR-98	Facilitating the TAM transform into tumor-suppressing phenotypes ^[10] ; Facilitating the M2 macrophages transform to M1 macrophages ^[11] .

miR-100	Facilitating the TAM transform into tumor-promoting phenotypes ^[12] .
miR-125b-5p	Facilitating the TAM transform into tumor-promoting phenotypes ^[13] .
miR-203	Facilitating the M2 macrophage ^[14] .
miR-146a-5p	Facilitating the M2 macrophage ^[15] .
miR-28-5p	Facilitating the TAM transform into tumor-suppressing phenotypes ^[16] .
miR-155	Facilitating the M2 macrophages transform to M1 macrophages M2→M1 ^[17] ; Facilitating the TAM transform into tumor-suppressing phenotypes ^[18] .
miR-138-5p	Facilitating the M1 macrophages transform to M2 macrophages ^[19] .
miR-340-5p	Facilitating the M2 macrophages transform to M1 macrophages ^[20] .
miR-935	Facilitating the M2 macrophages transform to M1 macrophages ^[21] .
miR-498	Facilitating the M1 macrophages transform to M2 macrophages ^[22] .
miR-940	Facilitating the M1 macrophages transform to M2 macrophages ^[23] .
miR-217	Facilitating the M2 macrophages transform to M2 macrophages ^[24] .
miR-106b-5p	Facilitating the M1 macrophages transform to M2 macrophages ^[25] .
miR-934	Facilitating the M2 macrophages ^[26] .
miR-142-3p	suppressing the M2 macrophages ^[27] .
miR-9	Facilitating the M1 macrophages ^[28] .
miR-195-5p	suppressing the M2 macrophages ^[29] .

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