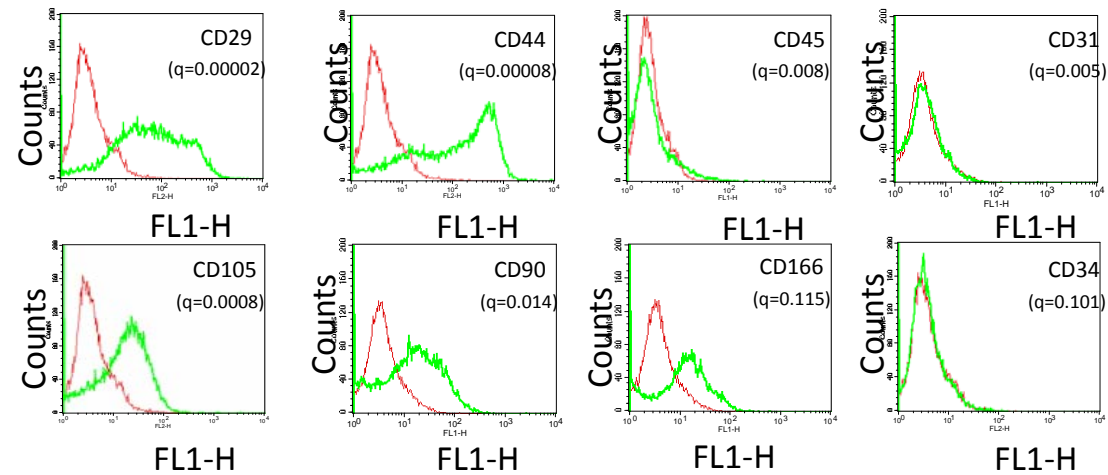


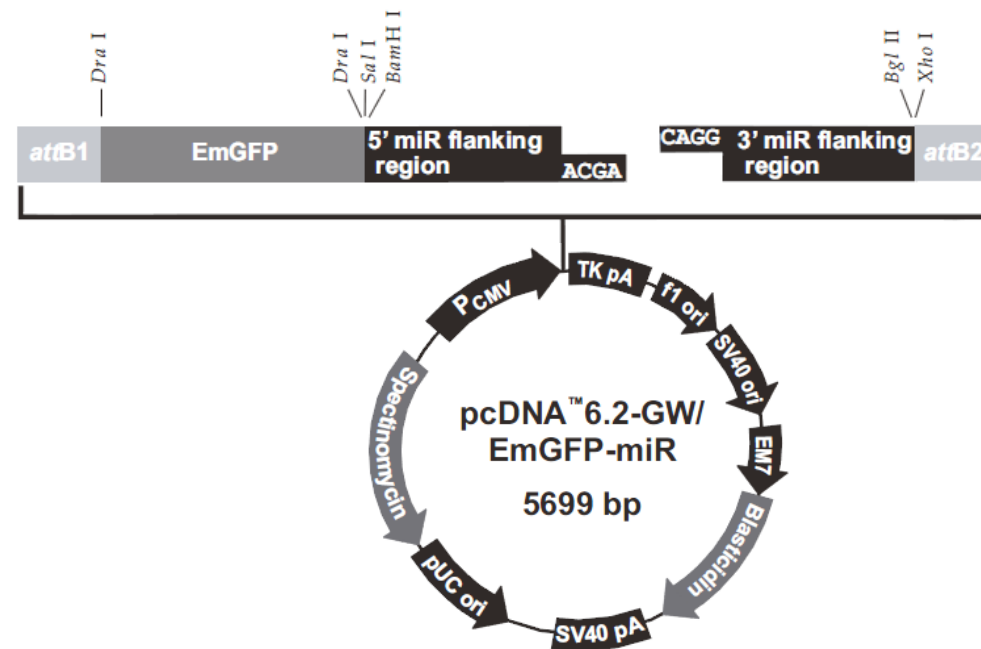
Supplemental Fig. 1



Suppl. Fig. 1. Characterization of tMSC surface markers.

The isolated tMSCs were subjected to flow cytometry analysis to assess the expression of surface markers. The isolated tMSCs expressed the MSC-specific markers (CD29, CD44, CD90, CD105, and CD166), but not the endothelial and hematopoietic cell markers (CD31, CD34, and CD45).

Supplemental Fig. 2



| | |
|-----------------------|---|
| miR-Scramble-2XCtrl_T | TGCTG TAACACGTCTATACGCCCA AATT TAACACGTCTATACGCCA GTCC |
| miR-155-B_2XSpG_T | TGCTG ACCCTATGGAATTAGCATTAA AATT ACCCTATGGAATTAGCATTAA GTCC |

Suppl. Fig. 2. miR-155 sponge construction.

Supplemental Table 1. List of antibodies.

| Name | Host species | Company | Catalog NO. | Application |
|---------|--------------|----------------|-------------|-------------|
| FLAG | Mouse mAb | Sigma | F3165 | WB |
| SMARCA4 | Rabbit mAb | Cell Signaling | #49360 | WB |
| SNF5 | Mouse mAb | Abcam | ab58209 | WB |
| SOCS1 | Rabbit mAb | Cell Signaling | #3950 | WB |
| GAPDH | Rabbit mAb | Cell Signaling | #5174 | WB |

Supplemental Table 2. List of quantitative real-time PCR primers.

| Name | Forward (5' to 3') | Reverse (5' to 3') | T _m (°C) |
|-----------------|--------------------------|---------------------------|---------------------|
| hsa-miR-155-5p | CGCAGTTAATGCTAATCGTGATAG | GGTCCAGTTTTTTTTTTTTTTAACC | 62.3 |
| hsa-miR-181c-5p | GAACATTCAACCTGTCGGT | GGTCCAGTTTTTTTTTTTTTACTCA | 57.6 |
| hsa-miR-564 | CAGAGGCACGGTGTC | AGTTTTTTTTTTTTTGCCTGCT | 57.8 |
| SMARCA4 | TACAAGGACAGCAGCAGTGG | TAGTACTCGGGCAGCTCCTT | 60.0 |

Supplemental Table 3. List of shRNA target sequences

| Name | Target sequence | Target gene |
|-----------|---------------------------|---------------------------------------|
| shSMARCA4 | 5'-GTGCGACATGTCTGCGCTG-3' | Human SMARCA4 gene |
| shScr | 5'-CAGTTACTAGACGCGATCG-3' | Scrambled shRNA sequence as a control |