Supplementary material

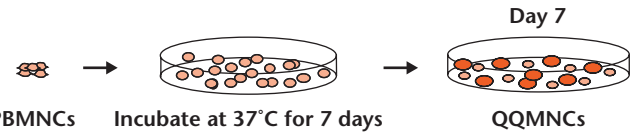
A) PBMNCs

➢ PBMNCs were isolated from peripheral blood by gradient centrifugation method

B) QQ culture

QQ culture medium (10ml) =

Serum-free medium(10ml) + (SCF (1μg/10μl), TPO (0.2μg/10μl), Flt3ligand (1μg/10μl), IL-6 (0.2μg/10μl), VEGF (0.5μg/10μl))



2 x 10^6/well in 6well + QQ culture medium 2ml /well in 6well

After culturing for 7 days, QQMNCs were acquired

Fig. a

Supplementary Figure a: QQ culture method
A) Method of acquiring PBMNCs from peripheral blood
B) Method of QQ culture

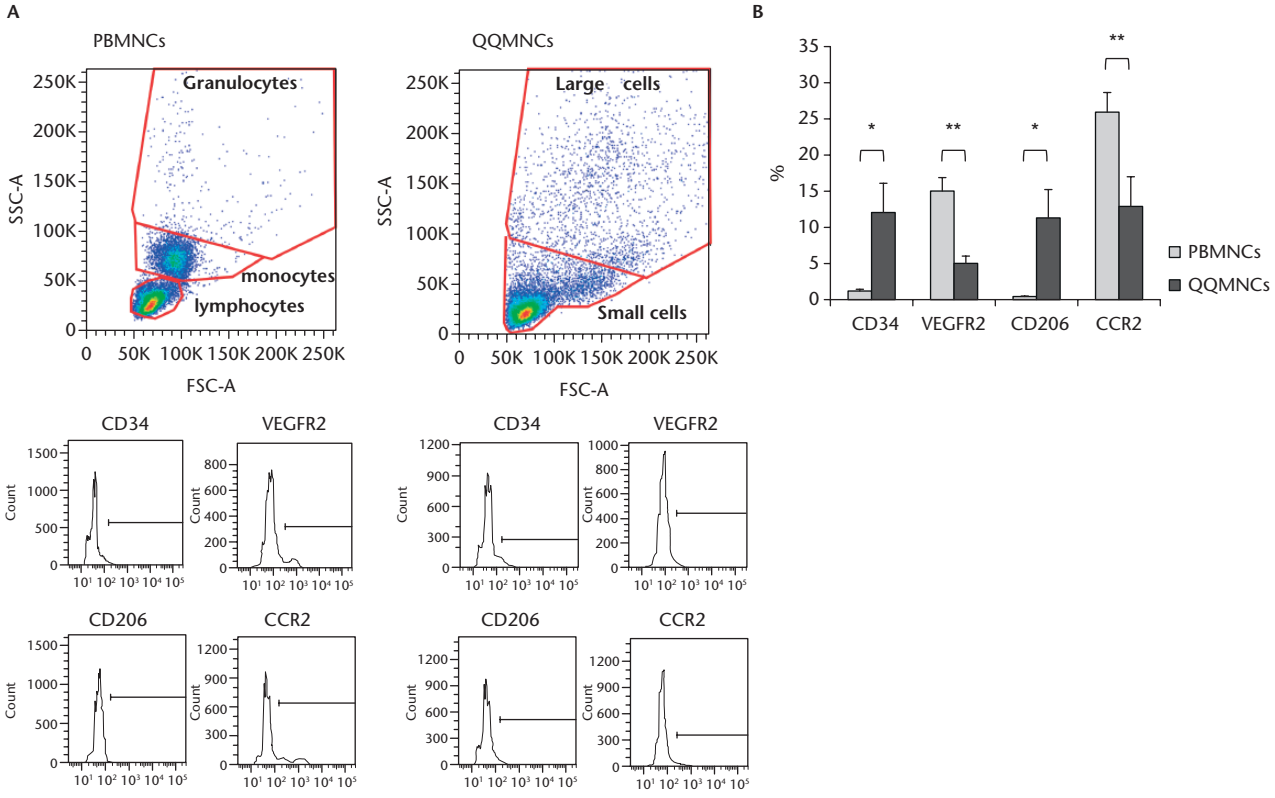


Fig. b

Supplementary Figure b. Flow cytometry analysis of PBMNCs and QQMNCs.
(A) Scatter diagrams of PBMNCs and QQMNCs in flow cytometry. Large cell increased after QQ culture.
(B) Histogram plots shows each % positive cell population in 20,000 events in PBMNCs and QQMNCs.
The investigated cell surface markers were as follows;
CD34 (hematopoietic stem cell), VEGFR-2 (endothelial cell),
CCR2 (M1 macrophage; pro-inflammatory marker), CD206 (M2 macrophage; anti-inflammatory marker)
N=6. *P< 0.05; **P< 0.01. SSC-A indicates side scatter-area; FSC-A, forward scatter-area; VEGFR, vascular endothelial growth factor receptor; CCR2, C-C chemokine receptor type2.