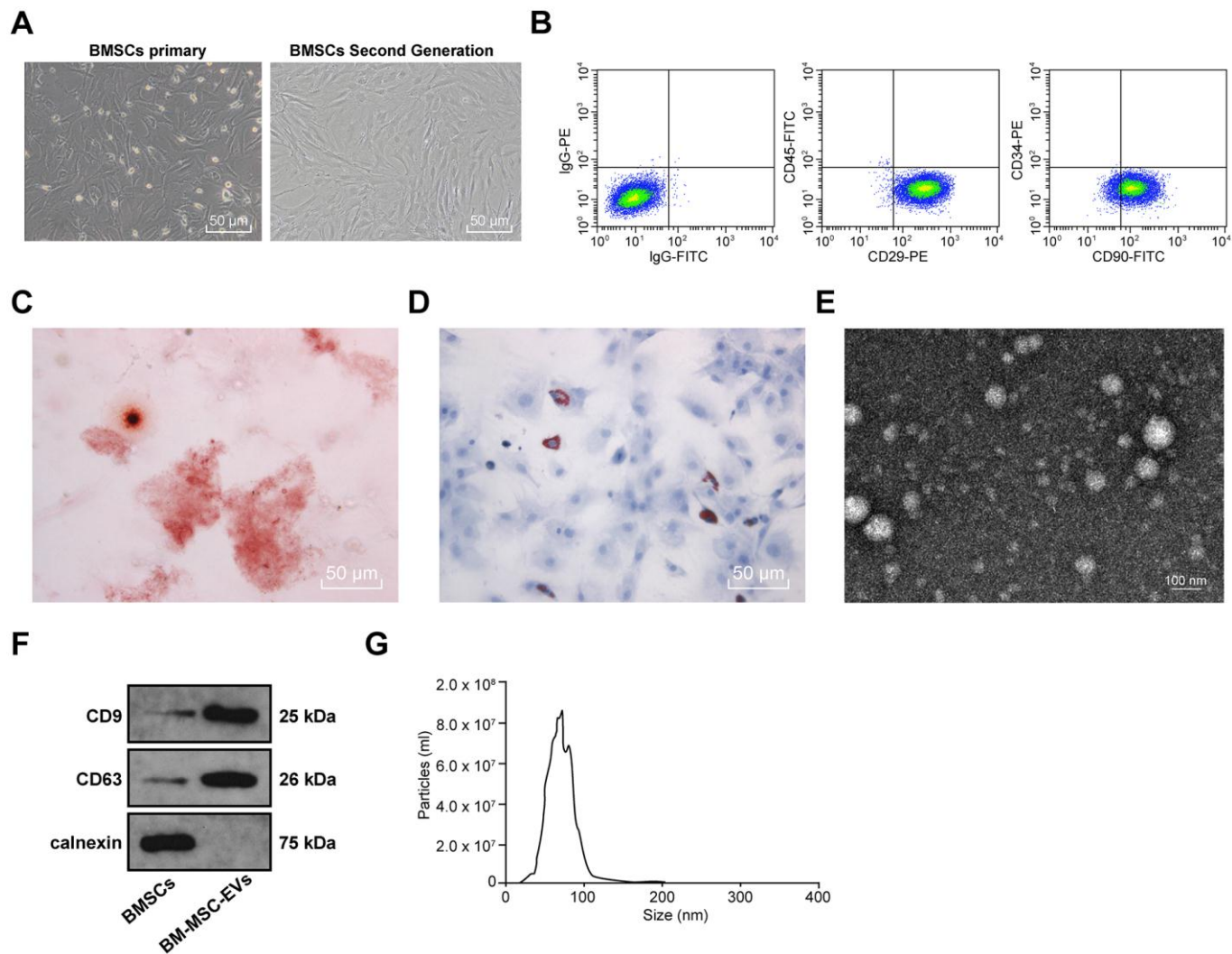
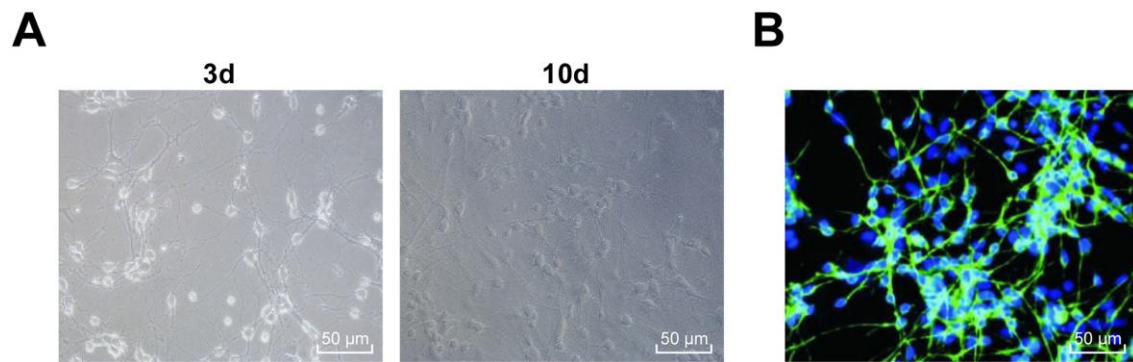


SUPPLEMENTARY FIGURES



Supplementary Figure 1. Identification of BM-MSCs and EVs. (A) The morphology of primary BM-MSCs and BM-MSCs of the 2nd generation was observed under an inverted microscope; (B) The expression of CD45, CD29, CD90 and CD34 on the surface of BM-MSCs was detected using flow cytometry; (C) Representative images of alizarin red staining of BM-MSCs after 21 days of osteogenic induction; (D) Representative images of Oil red O staining of BM-MSCs after 21 days of adipogenic induction; (E) The morphology of BM-MSC-EVs was observed under a TEM; (F) The expression of CD9, CD63 and calnexin on BM-MSC-EV surface was detected using WB; (G) The concentration and particle size of BM-MSC-EVs were measured using NTA. The experiment was repeated three times.



Supplementary Figure 2. Identification of hippocampal neurons. (A) The morphology of hippocampal neurons was observed under an inverted microscope; (B) Immunofluorescence staining of hippocampal neurons.