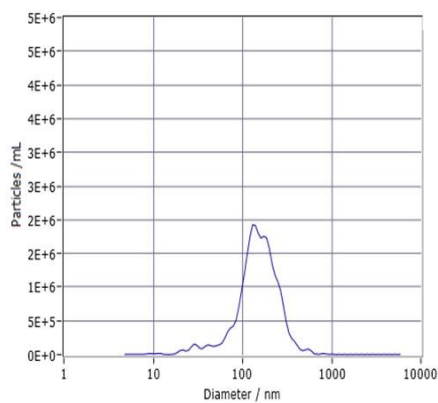


Supplementary Figure 1. identification of hBMMSC.

(A) Representative morphology of confluent MSC layers from bone marrow. (B) The immunophenotype of primary MSC. (C) The multilineage differentiation ability of MSC (chondrogenic, osteogenic, and adipogenic differentiation).

Supplementary Figure 2. Particle size distribution in purified hBMMSC-Exo.



Peak Analysis (Concentration)

Diameter / nm	Particles/mL	FWHM / nm	Percentage
142.4	1.9E+6	166.8	96.5
29.1	1.5E+5	10.2	2.9
11.3	1.5E+4	4.2	0.3
800.3	1.4E+4	114.7	0.1
1208.8	3.2E+3	163.4	0.0