



**Fig. 3** Bio-distribution and quantitative results of infused <sup>14</sup>C-TdR labeled PDB-MSCs. **a** The bio-distribution of 1  $\mu$ Ci <sup>14</sup>C-TdR labeled 4th passage PDB-MSCs after IV injection in nude mice. <sup>14</sup>C radioactivity of each organ was detected by liquid scintillator counter at 6 different time points after injection (at day 1, day 2, day 3, day 5, day 30 and day 180). **b** Quantification of infused <sup>14</sup>C-labeled PDB-MSCs in different organs of the nude mice on day 30. The quantity of infused cells is expressed as number per gram which is calculated through the average activity of 1  $\mu$ Ci labeling PDB-MSCs (0.131dpm/cell) and the radioactivity (dpm/mg) of the organs at day 30 (**a**). Values were presented as mean  $\pm$ SD of three independent experiments