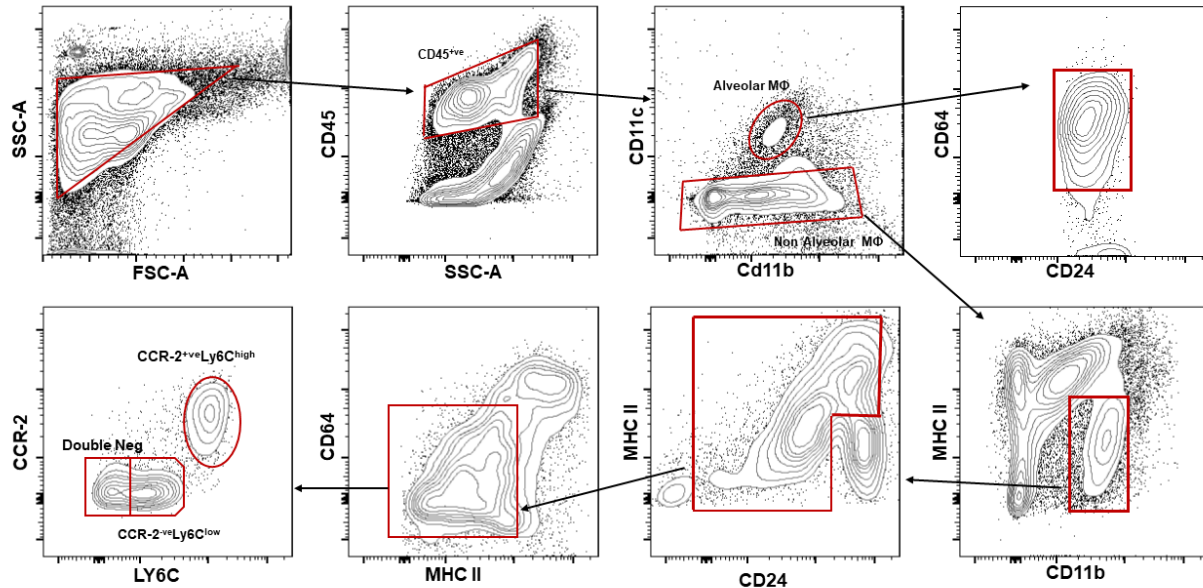


## **Supplemental data**

### **Mesenchymal Stromal Cell Exosomes Prevent and Revert Experimental Pulmonary Fibrosis Through Modulation of Monocyte Phenotypes**

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**Figure S1: Representative *in vivo* gating strategy of lung macrophage, monocyte and bone marrow derived monocytes.** Cells were isolated from whole lung after enzymatic digestion. Lung aggregates and cell debris were excluded based on forward and side scatter parameters. Immune cells were identified by CD45 staining. Alveolar macrophages (Alveolar MΦ) were identified using a sequential gating strategy to identify CD45<sup>+</sup>CD11b<sup>-</sup>CD11c<sup>+</sup> CD64<sup>+</sup> population. In order to identify monocyte subpopulation, sequential gating strategy was performed on non-alveolar MΦ subset of CD45<sup>+</sup>cells (CD11b<sup>+</sup> CD11c<sup>-</sup>). Myeloid cells were separated from lymphoid cells (B, T cells and natural killer cells) by gating on CD11b<sup>hi</sup> population. Granulocytes (neutrophils and eosinophils) were gated out as CD24<sup>+</sup> CD11c<sup>-</sup>. Gating on MHCII<sup>-</sup> population was used to separate the interstitial macrophages and CD11b<sup>+</sup> dendritic cells from monocytes. Further gating was performed on CD11b<sup>+</sup> MHC II<sup>-</sup> CD64<sup>low/int</sup> CCR-2<sup>+</sup> Ly6C<sup>high</sup> and CD11b<sup>+</sup> MHC II<sup>-</sup> CD64<sup>low/int</sup> CCR-2<sup>-</sup> Ly6C<sup>high</sup> CCR-2<sup>-</sup> Ly6C<sup>low</sup> population to reflect classical or non-classical monocyte phenotype respectively. BMDMo gating strategy was similar to above, with the exclusion of CD11c (a marker of Alveolar MΦ) staining. Gating strategy performed according to Fluorescence-minus-one controls. FSC, forward scatter; SSC, side scatter; MHC II, major histocompatibility complex class II.

