Supplementary Information for

**MCP-1 levels in** **astrocyte-derived exosomes are changed in preclinical stages of Alzheimer’s disease**

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Supplementary Figure 1. Western blot of CD63 in astrocyte derived exosomes and EV-Depleted plasma in NC, SCD, aMCI, and AD subjects.



Supplementary Figure 2. Western blot of HSP70 in astrocyte derived exosomes and EV-Depleted plasma in NC, SCD, aMCI, and AD subjects.



Supplementary Figure 3. Western blot of Albumin in astrocyte derived exosomes and EV-Depleted plasma in NC, SCD, aMCI, and AD subjects.



Supplementary Figure 4. Western blot of Calnexin in astrocyte derived exosomes and EV-Depleted plasma in NC, SCD, aMCI, and AD subjects.



Supplementary Figure 5. Western blot of GFAP in astrocyte derived exosomes and EV-Depleted plasma in NC, SCD, aMCI, and AD subjects, Rat-brain as the positive control.



Supplementary Figure 6. Three inflammation factors in the NC, SCD, and aMCI/AD groups. The scatter plots with SD were present the concentrations of plasma IL-6 (A), IL-8 (B), MCP-1 (C) and MCP-1 levels in ADEs (after normalized with CD81) (D) in different clinical groups. ​The *p*-values of MCP-1 in ADEs was marked.



Supplementary Figure 7. Spearman rank correlation scatterplots between IL-6 (A) and IL-8 (B) in plasma and MCP-1 in ADEs.



Supplementary Figure 8. Spearman rank correlation scatterplots between IL-6, IL-8 and MCP-1 in plasma.



Supplementary Figure 9. Spearman rank correlation scatterplots between MMSE scores (A), MoCA-B scores (B) and MCP-1 in ADEs.