## **Supplementary Information**

## Red Blood Cell-Derived Nanovesicles for Safe and Efficient Macrophage-Targeted Drug Delivery *in vivo*

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**Figure S1.** C57BL/6 mice were administrated WT-RDNV/RhoB, KO-RDNV/RhoB or PBS control by *i.v.* injection. The fluorescence images of arteriesaorta harvested at 24 h using IVIS xenogen imaging system.



**Figure S2.** Pathological changes in heart, liver, spleen, lung and kidney of C57BL/6 mice at 24 h after *i.v.* injection of WT-RDNV/CLD, KO-EDNV/CLD, Clodrosome and PBS control for 2 times. Scale bar =  $50 \mu m$ .