

Lipoprotein-Based Nanoparticles Rescue the Memory Loss of Mice with Alzheimers Disease by Accelerating the Clearance of Amyloid-Beta

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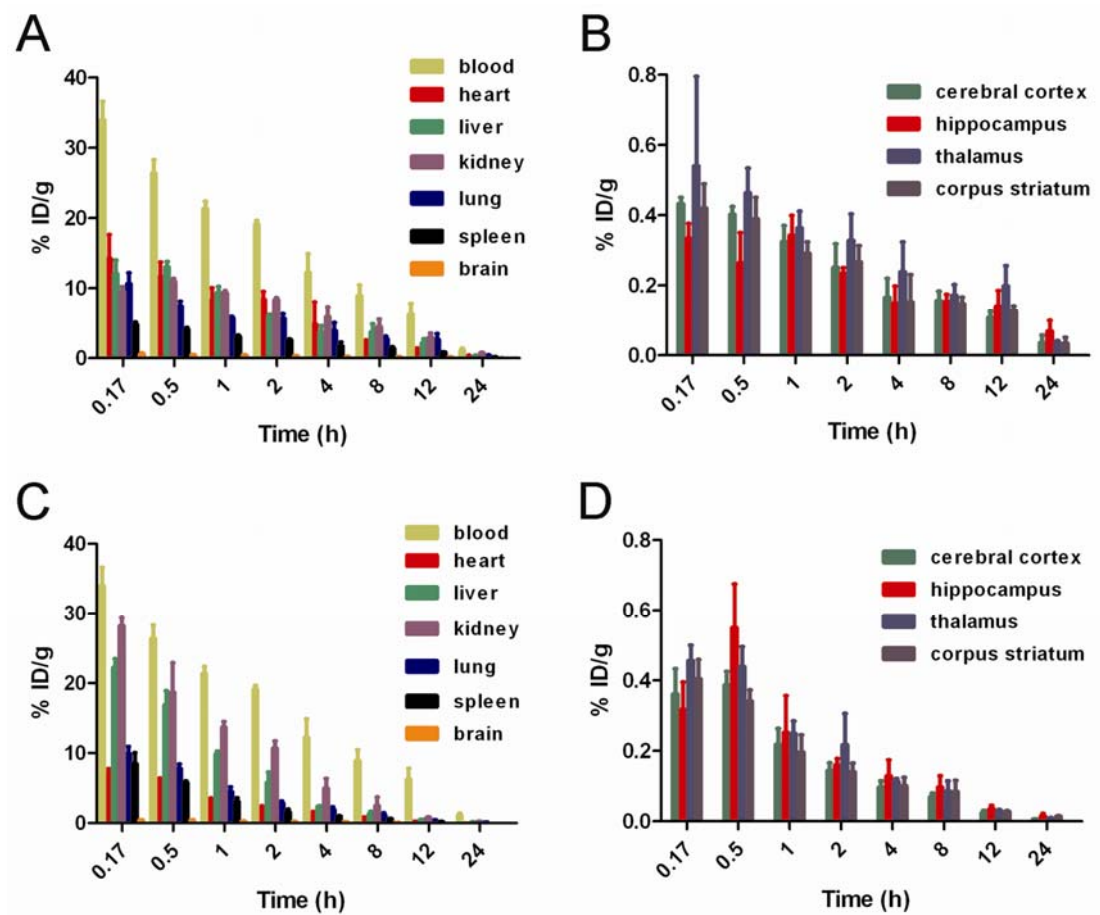


Figure S1. Biodistribution of ^{125}I -ApoE3-rHDL and ^{125}I -ApoE3 following intravenous administration. % ID/g, percentage injected dose per gram tissue. (A) Biodistribution of ^{125}I -ApoE3-rHDL in the blood and major organs; (B) Biodistribution of ^{125}I -ApoE3-rHDL in the brain cerebral cortex, hippocampus, thalamus and corpus striatum; (C) Biodistribution of ^{125}I -ApoE3 in the blood and major organs; (D) Biodistribution of ^{125}I -ApoE3 in the brain cerebral cortex, hippocampus, thalamus and corpus striatum.

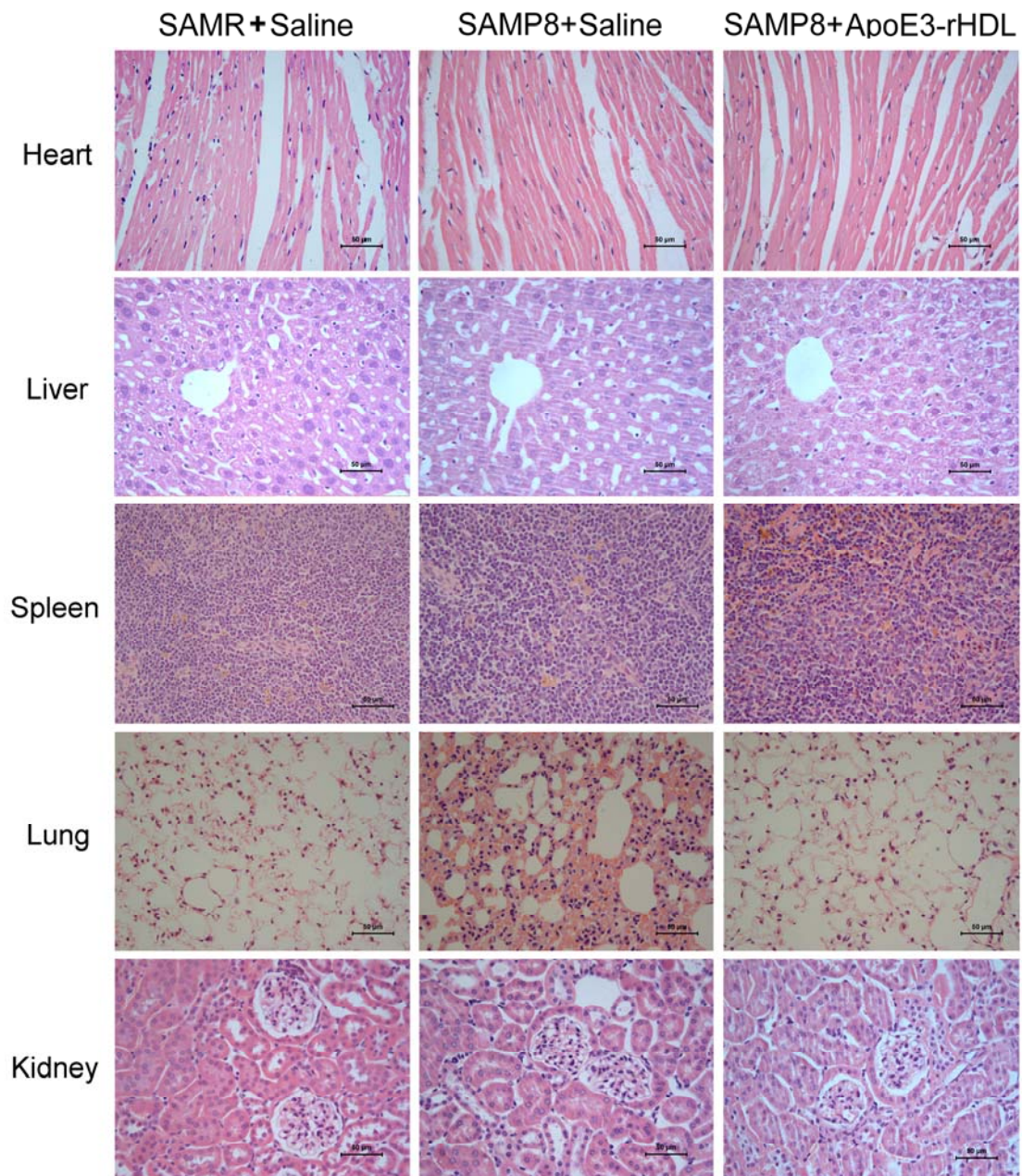


Figure S2. ApoE3-rHDL did not induce observable pathological changes in the heart, liver, spleen and kidney but alleviated the inflammatory response in the lung of SAMP8 mice. Seven-month-old SAMP8 mice ($n=8-9$ per group) were treated with ApoE3-rHDL at the DMPC dose of 5 mg/kg intravenously *via* the tail vein daily for 4 weeks with the age-matched SAMP8 and SAMR1 mice given with normal saline as the controls. The tissue slices were stained with hematoxylin/eosin following standard protocol. Scale bar, 50 μ m.