

Supplemental Figures

Compound AD16 reduces amyloid plaque deposition and modifies microglia in a transgenic mouse model of Alzheimer's disease

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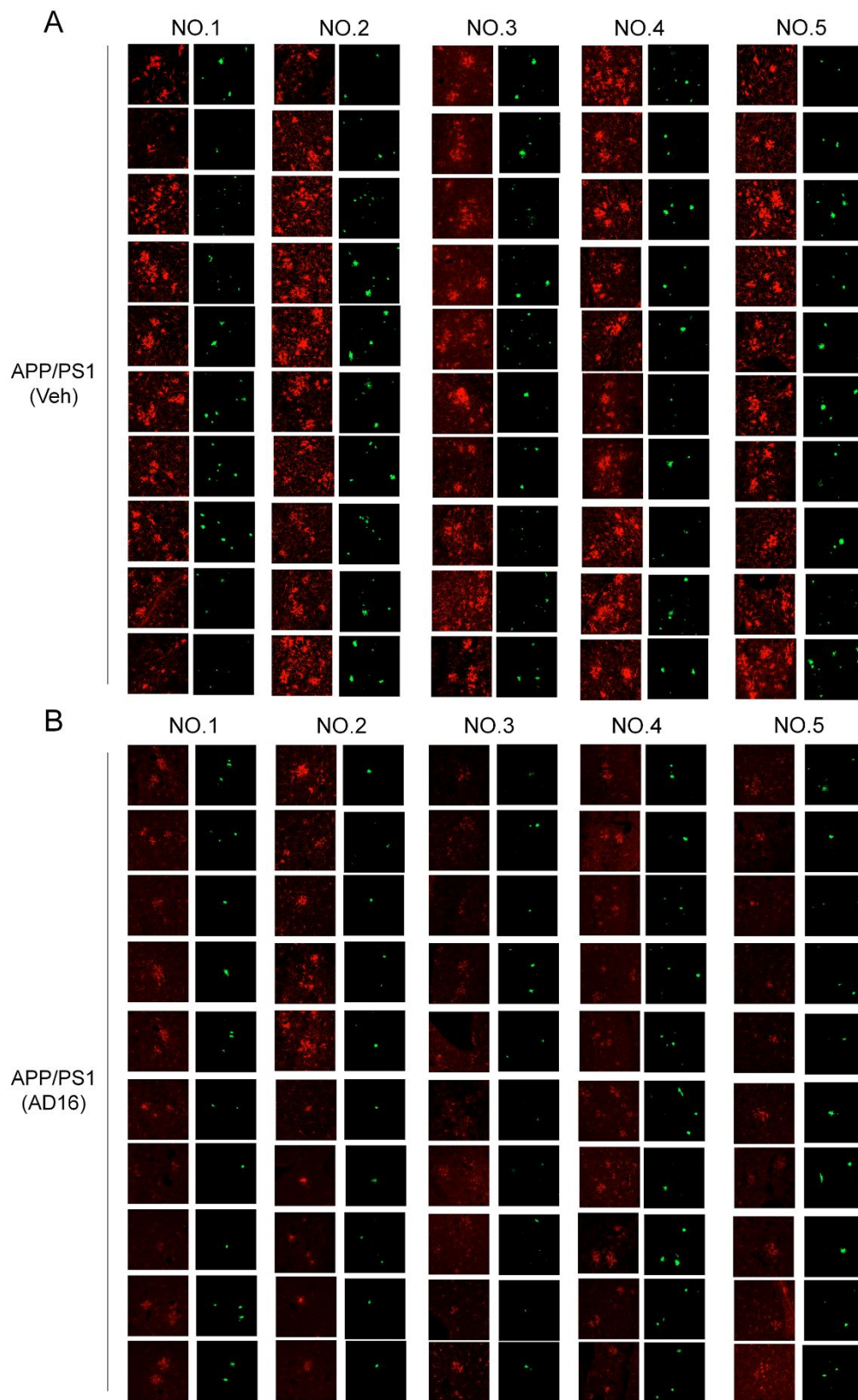


Figure S1. Co-staining of Iba-1 and ThS positive amyloid plaque in the hippocampus of APP/PS1 group (A) and AD16 treated group (B).

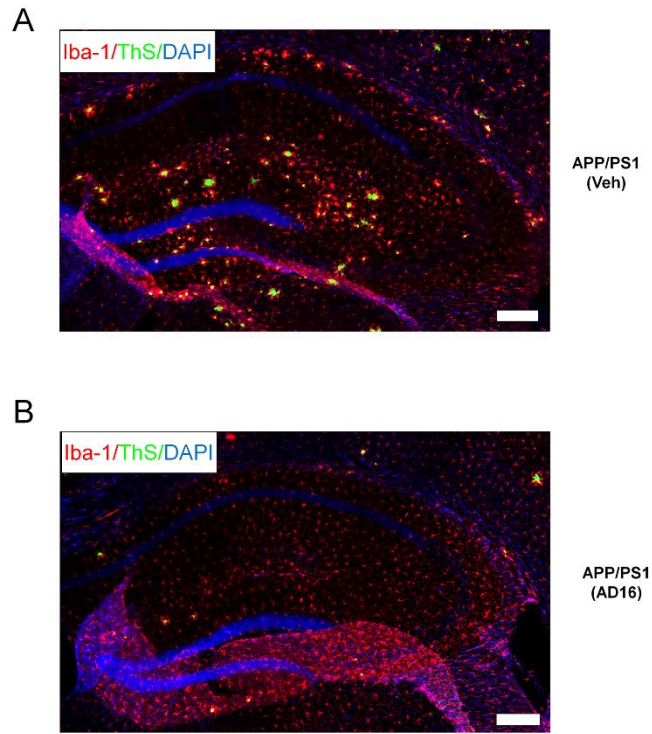


Figure S2. Representative co-staining of Iba-1, ThS and DAPI in the hippocampus of APP/PS1 group (A) and AD16 treated group (B).

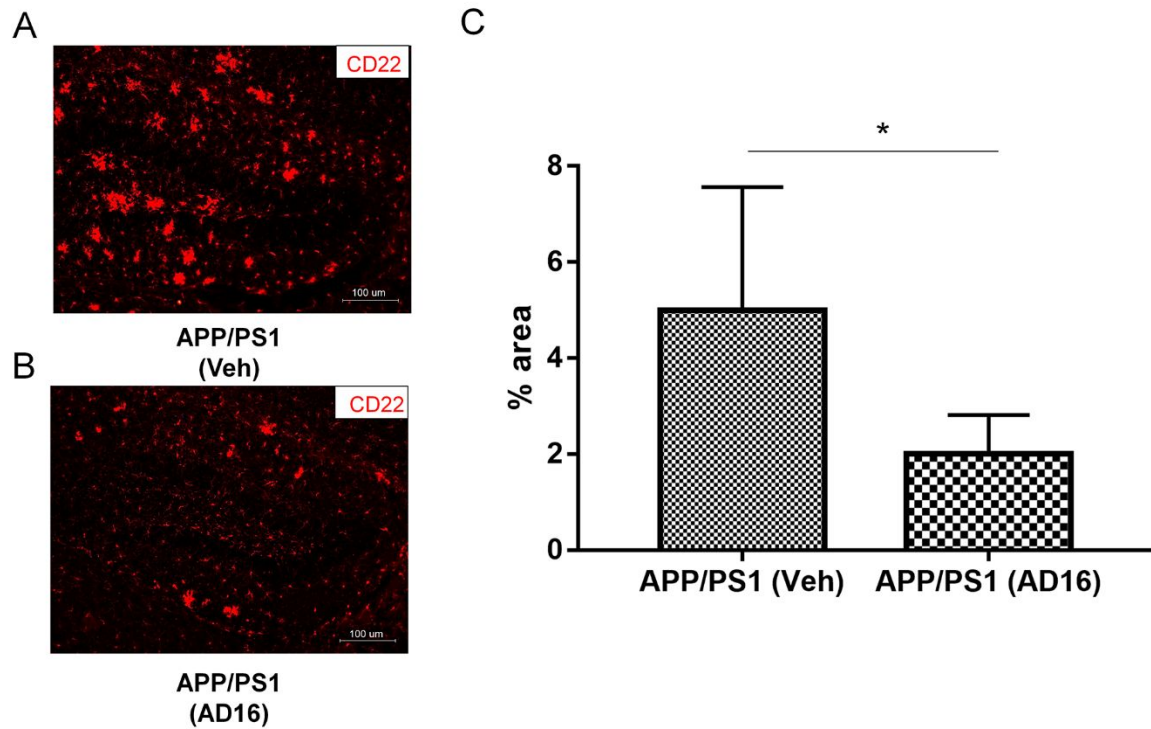


Figure S3. AD16 reduces CD22 expression in the brain of APP/PS1 mice.

Representative immunostaining of CD22 in the hippocampus and cortex of APP/PS1 group (A) and AD16 treated group (B). Quantification of the area of CD22 positive microglia in the brain of AD mice receiving AD16 or vehicle (C). Data are presented as means \pm SD. $*p < 0.05$.

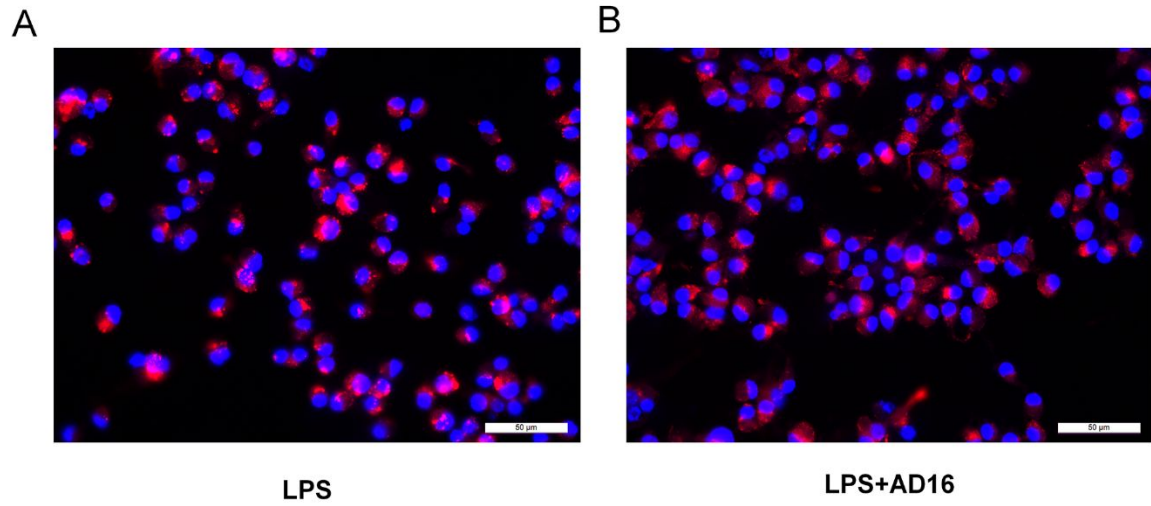


Figure S4. AD16 alters lysosomal distribution in BV2 microglial cells. Lysosomal distributions were detected through lysotracker staining in BV2 microglial cells (A, B).

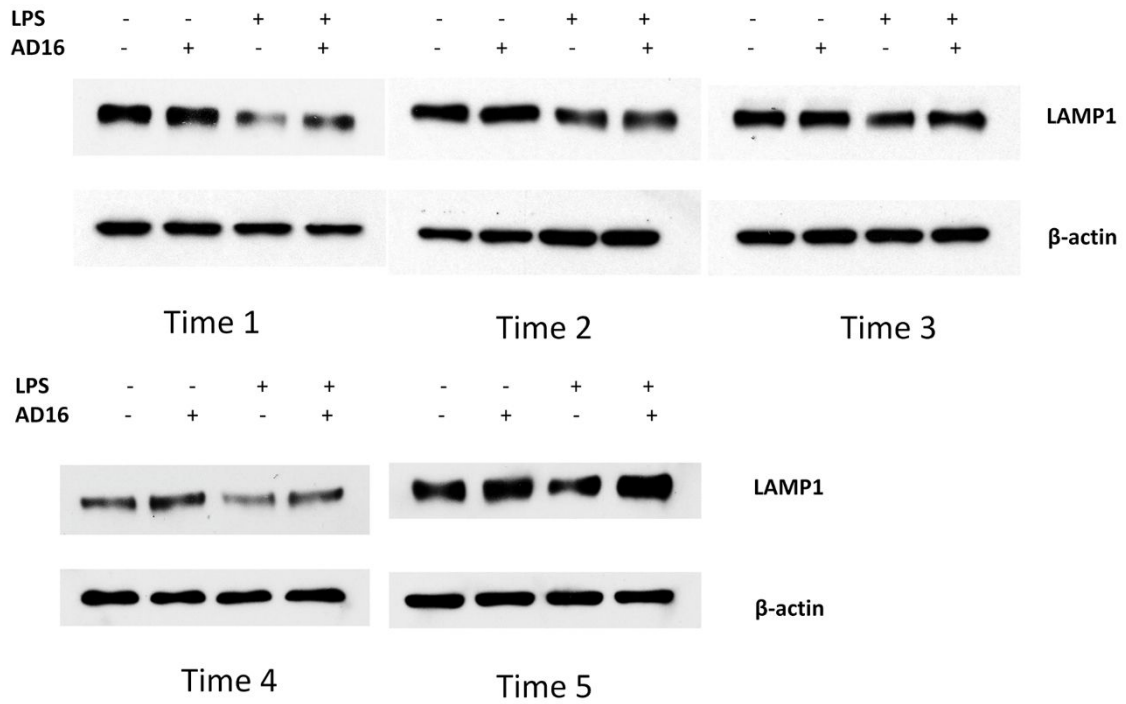


Figure S5. Immunoblot assays against LAMP1 protein were shown (5 times using independent samples).