

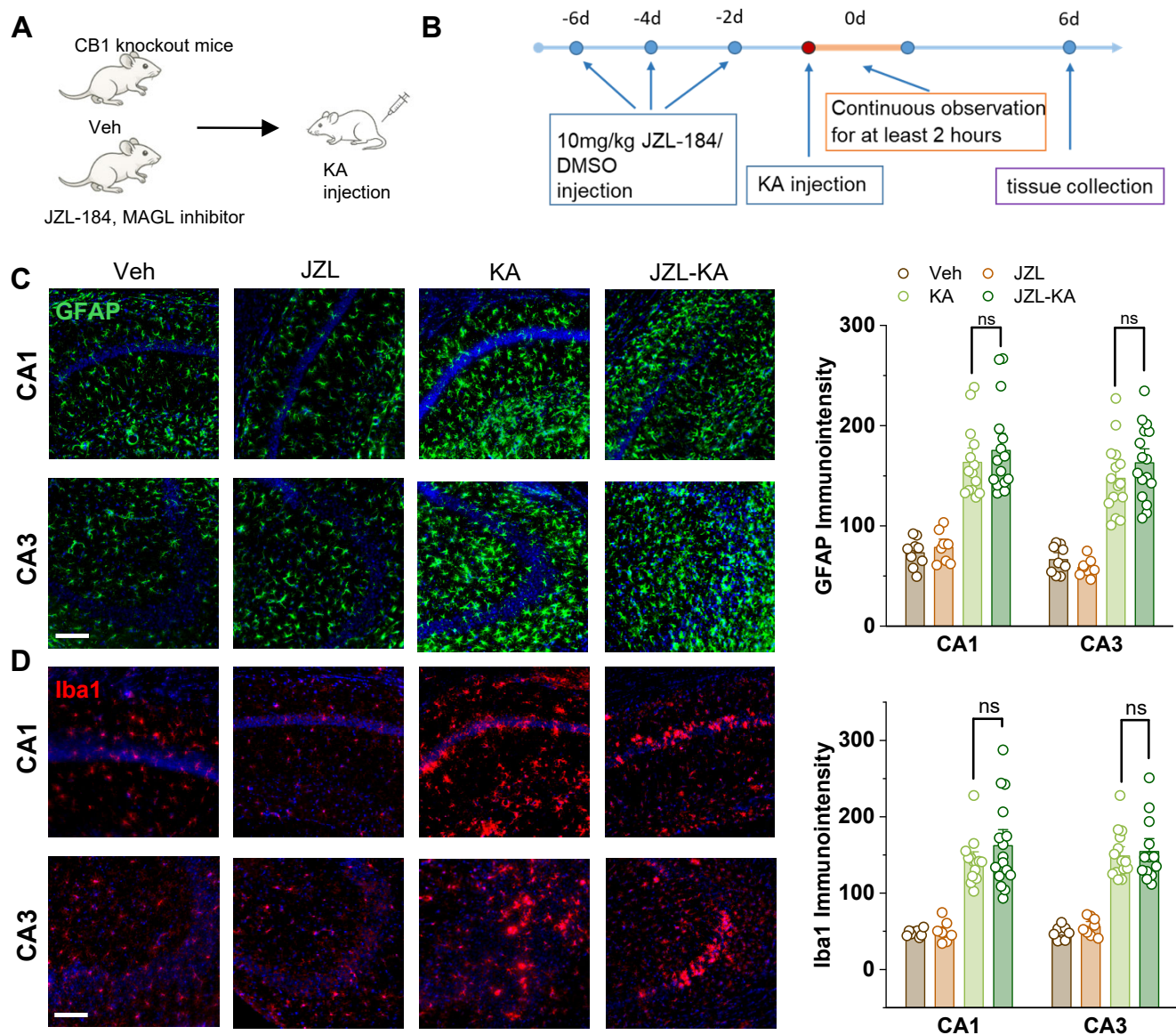


Figure S6. The neuroprotective effect of MAGL inhibition is dependent on CB1 receptor signaling and mediated by PPAR- γ activation. (A-B) Schematic of the experimental design (A) and timeline (B) for JZL-184 or DMSO (vehicle) administration followed by KA-induced epilepsy in *Cnr1*^{-/-} mice. (C) Representative images of GFAP (green) staining in the CA1 and CA3 hippocampal regions with quantification. Scale bar: 100 μ m. Data are means $\pm$ SEM. Data represent individual slice values (3–4 slices per mouse) from 4 mice in KA groups and 3 mice in Veh groups. ns $p > 0.05$ (ANOVA with Turkey test). (D) Representative images of Iba1 (red) staining in the CA1 and CA3 hippocampal regions with quantification. Scale bar: 100 μ m. Data are means $\pm$ SEM. Data represent individual slice values (3–4 slices per mouse) from 4 mice in KA groups and 3 mice in Veh groups. ns $p > 0.05$ (ANOVA with Turkey test).