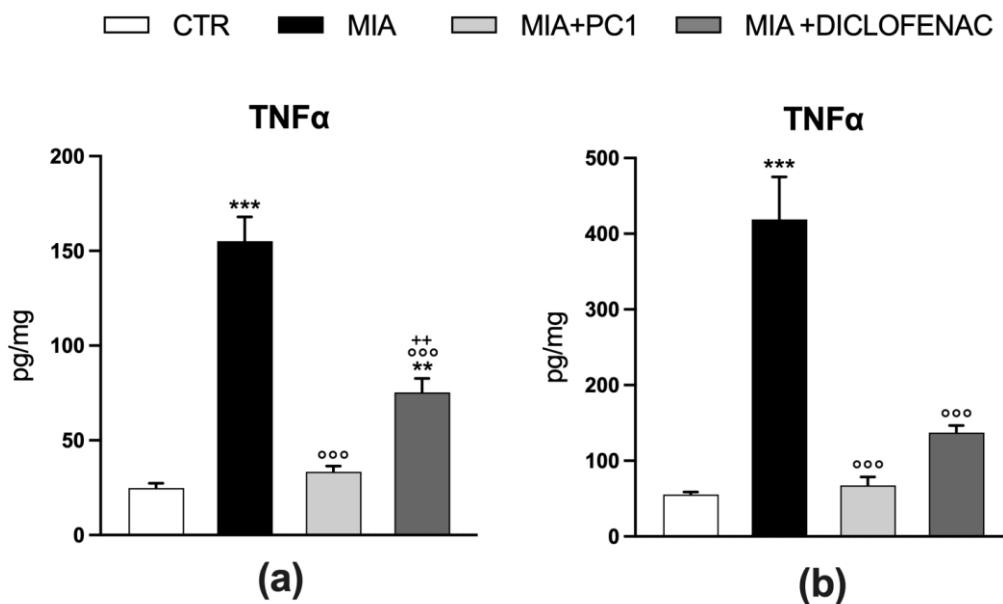


Supplementary Figure S1 | Immunostaining negative control. Pictures show immunostaining negative control in the hippocampus (a) and prefrontal cortex (b), where primary antibodies (anti-Iba1 and anti-GFAP) were omitted and sections were incubated with secondary antibody (AlexaFluor® 488-conjugated goat anti-rabbit) only. Nuclei were labeled with the Hoechst33258 dye (blue). Scale bars: 20 mM.



Supplementary Figure S2 | Effect of PC1 and diclofenac on TNF alpha protein content in the hippocampus and prefrontal cortex of OA mice. Protein expression levels of TNFα were evaluated (ELISA method) in the hippocampus (a) and prefrontal cortex (b) (day 28 post OA). Results are expressed as mean ± SEM of 5 animals/group. Statistical analyses were performed by One-way ANOVA followed by Tukey's post-hoc test. **p < 0.01, ***p < 0.001 vs CTR; ooo p < 0.001 vs MIA; ++ p < 0.01 vs MIA+PC1. Treatments: (a) F(3, 16) = 60.70, p<0.0001; (b) F (3,16) = 34.01, p<0.0001.