



Article

# Chitosan Oligosaccharides Suppress Nuclear Factor-Kappa B Activation and Ameliorate Experimental Autoimmune Uveoretinitis in Mice

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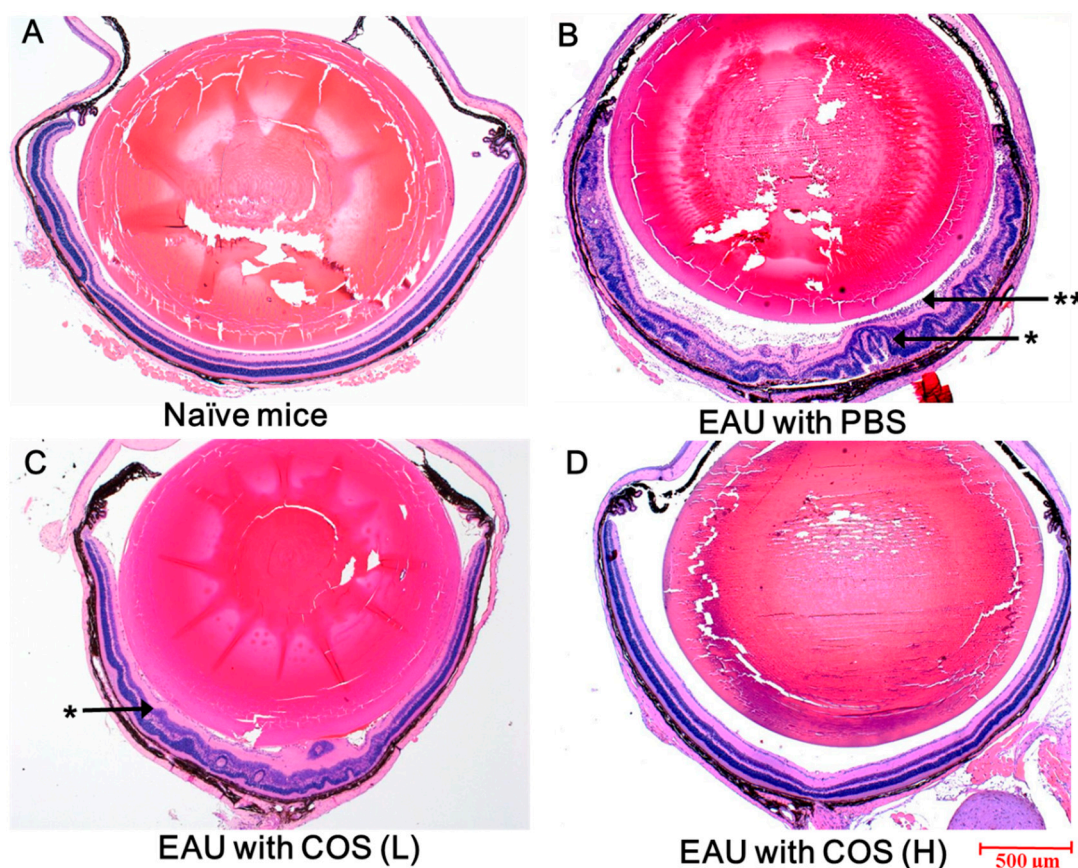
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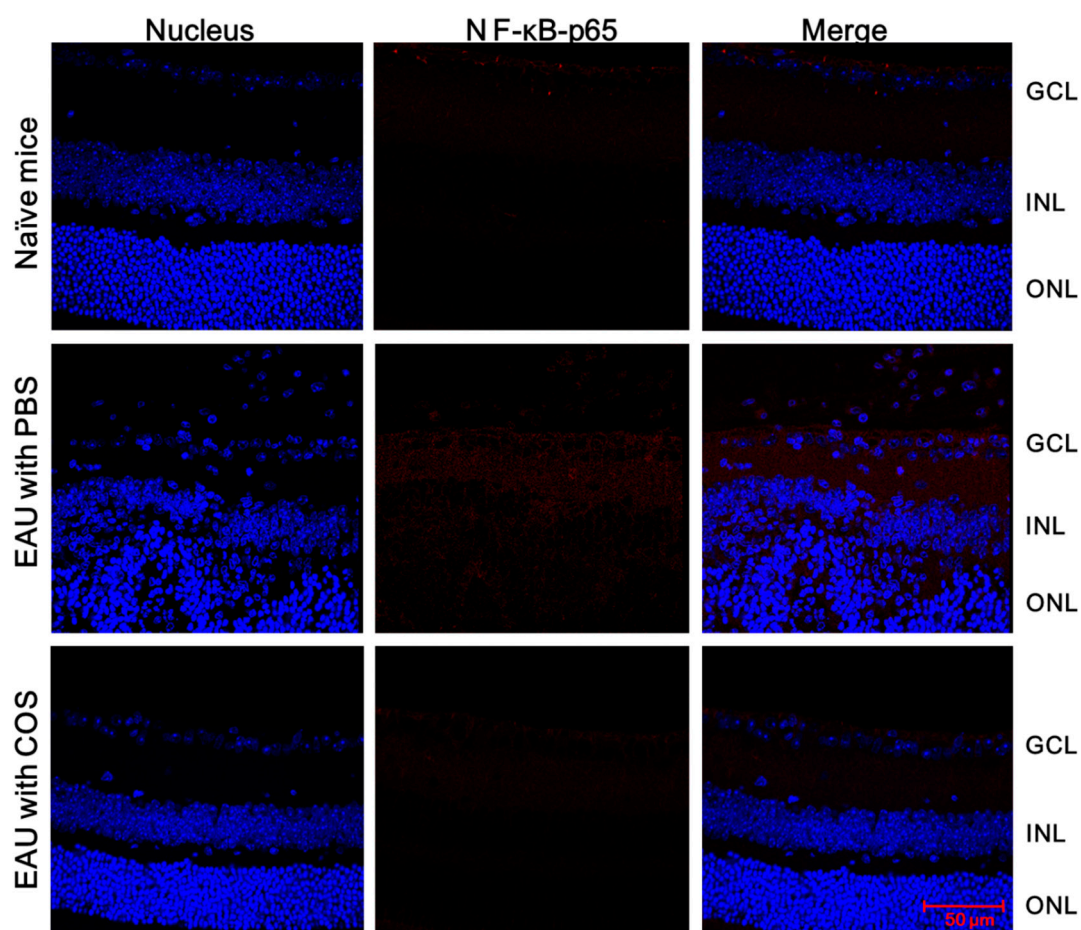
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## Supplementary figures



**Figure S1.** COS treatment reduces EAU severity in mice. Representative photomicrographs of H&E-stained slides of the vitreous cavity and whole retina of (A) naïve C57BL/6 mice without EAU induction, (B) EAU mice treated with PBS, (C) EAU mice treated with the low-dose (10 mg/kg) of COS, and (D) EAU mice treated with the high-dose (20 mg/kg) of COS. There were more than 100

infiltrative cells in the vitreous cavity of EAU mice treated with PBS (B), but less than 5 infiltrative cells in the vitreous cavity of EAU mice treated with the high-dose of COS (D). \* indicates retinal folds on the retinas; \*\* indicates infiltrative cells in the vitreous cavity. Images are the representative results of at least four samples per group from two independent experiments.



**Figure S2.** COS treatment reduces the nuclear translocation of NF-κB subunit, p65 in the retinas of mice with EAU induction. Eyes of mice without EAU induction (naïve) or with EAU induction were treated with PBS or COS (20 mg/kg) and monitored by immunofluorescence staining for NF-κB (p65) with antibody and for nuclei with DAPI. NF-κB (p65) was detected abundantly in the ganglion cell layer (GCL) of the retina of EAU mice treated with PBS. Images are representative of > 4 samples per group from two independent experiments. INL, inner nuclear layer and ONL, out nuclear layer.