Supplementary Data

Supplementary Figure 1. The mean intraocular pressures of lasered eyes in all treatment groups were elevated relative to control, unlasered eyes following laser photocoagulation induced ocular hypertension.
Supplementary Figure 2. Saline injections alone did not affect synaptic density in the IPL.
Supplementary Figure 3. High expression of CD45 (CD45\textsuperscript{hi}, bright green) is restricted to Iba-1 positive cells (red) that are found in blood vessels, while Iba-1 positive cells in the optic nerve are only weakly CD45 positive (CD45\textsuperscript{lo}, light green).