

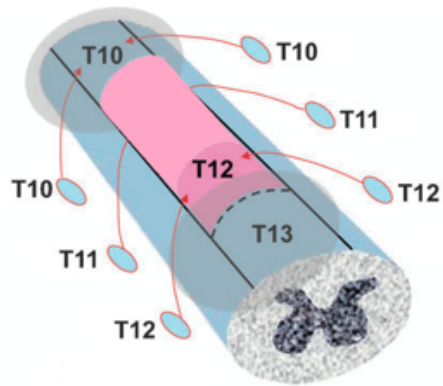
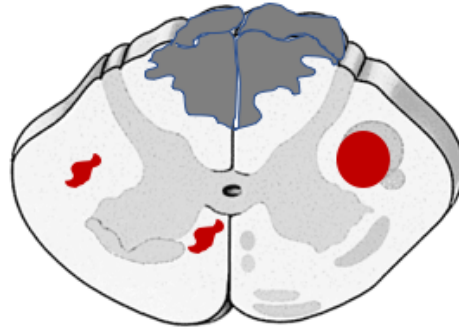
A**B**

Figure S1: (A) Spinal cord tissue analyses were done across the length of 1mm centered at the epicenter (B). Examples of hemorrhaged (red) and lesioned (gray) area are outlined. The outlined area for each section measured using a Nikon eclipse E600 with axiovision outline tool, and was expressed as a percentage of total area of each section measured.

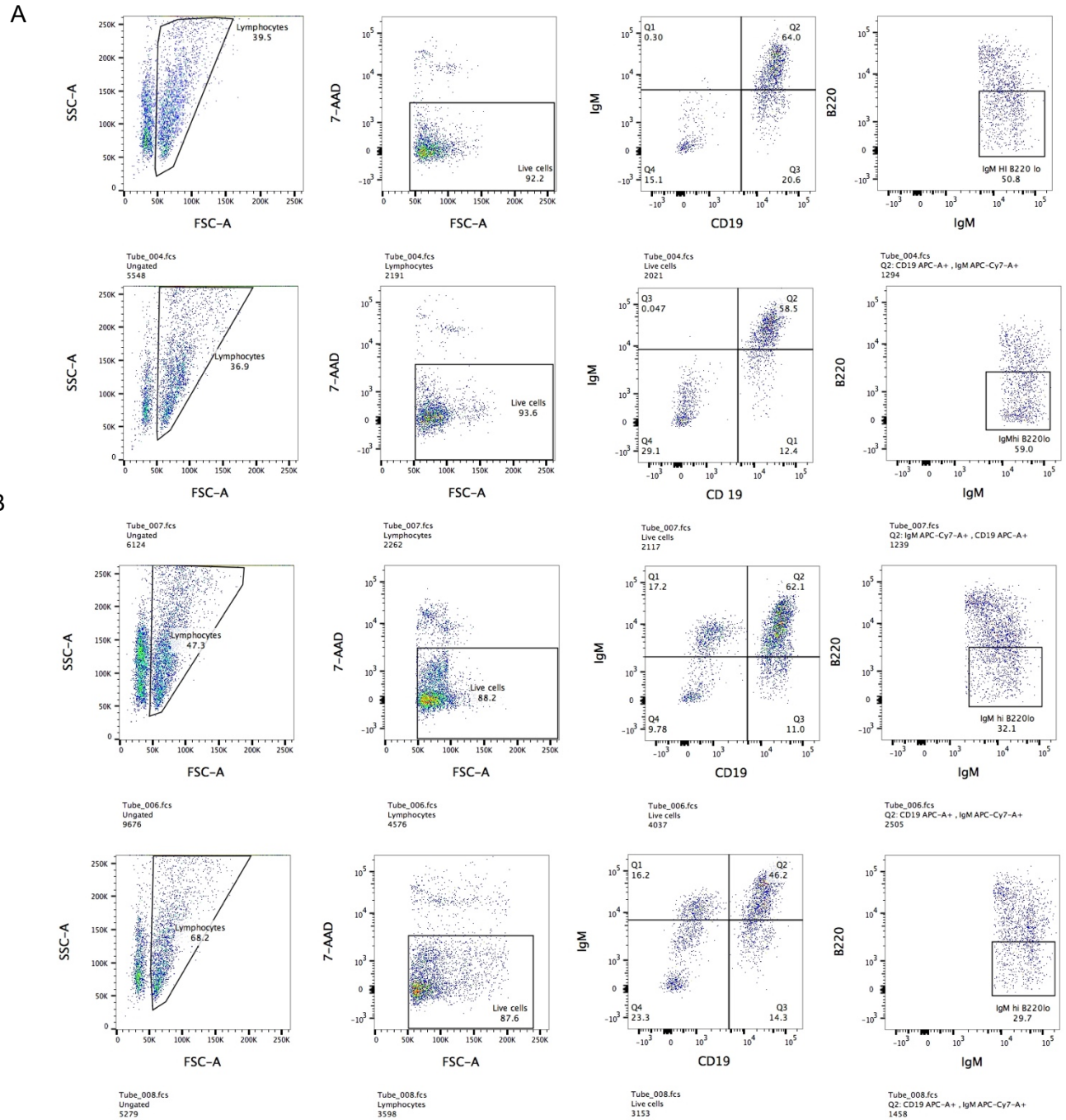


Figure S2: (A) After B1 cell depletion procedure, the peritoneal fluid was analyzed by flow cytometry to confirm a decrease in CD19⁺IgM^{hi}B220^{lo} populations. Initial gate was placed on live cells and viability determined by 7-AAD (7-Aminoactinomycin D) staining followed by gating on CD19⁺ and IgM^{hi} cells. The B220^{lo} subpopulation from the gated population was used for comparison among different groups (B) The mice that received PBS injections as control were used for these analyses. n=6