



Online Resource 4. Gating procedure of paired PB- and white matter lesion-derived lymphocytes from MS patients. Lymphocytes were isolated from paired peripheral blood (PB), cerebrospinal fluid (CSF), normal-appearing white matter (NAWM) and white matter lesions (lesion) from patients with advanced MS (n=17) and subjected to multiplex flow cytometry. Pseudocolored density plots of paired PB (top panels) and white matter lesion (bottom panels) samples from one representative MS patient are shown. Lymphocytes were identified based on low forward, intermediate sideward scatter (FSC and SSC, respectively) and high CD45 expression, which was followed by subgating for CD3 and either high CD4 or high CD8 expression.