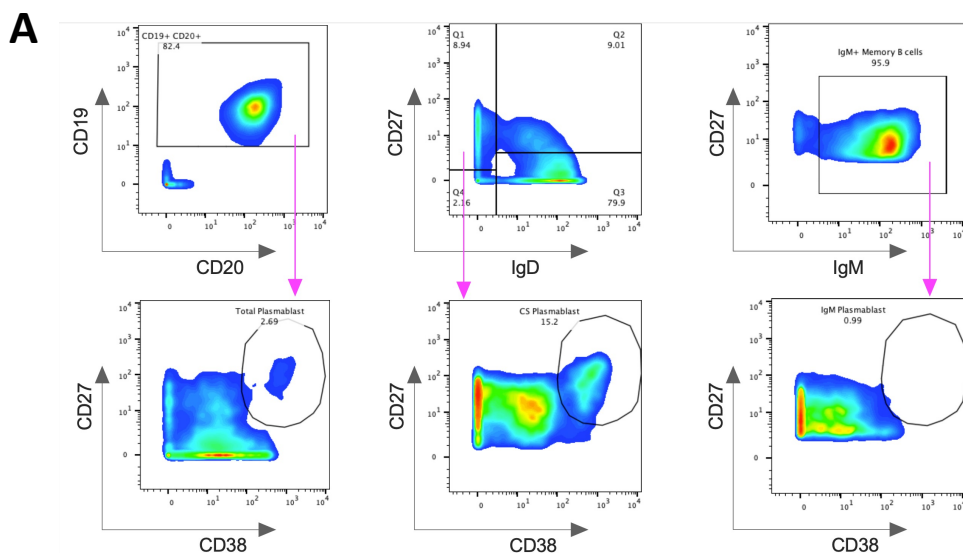


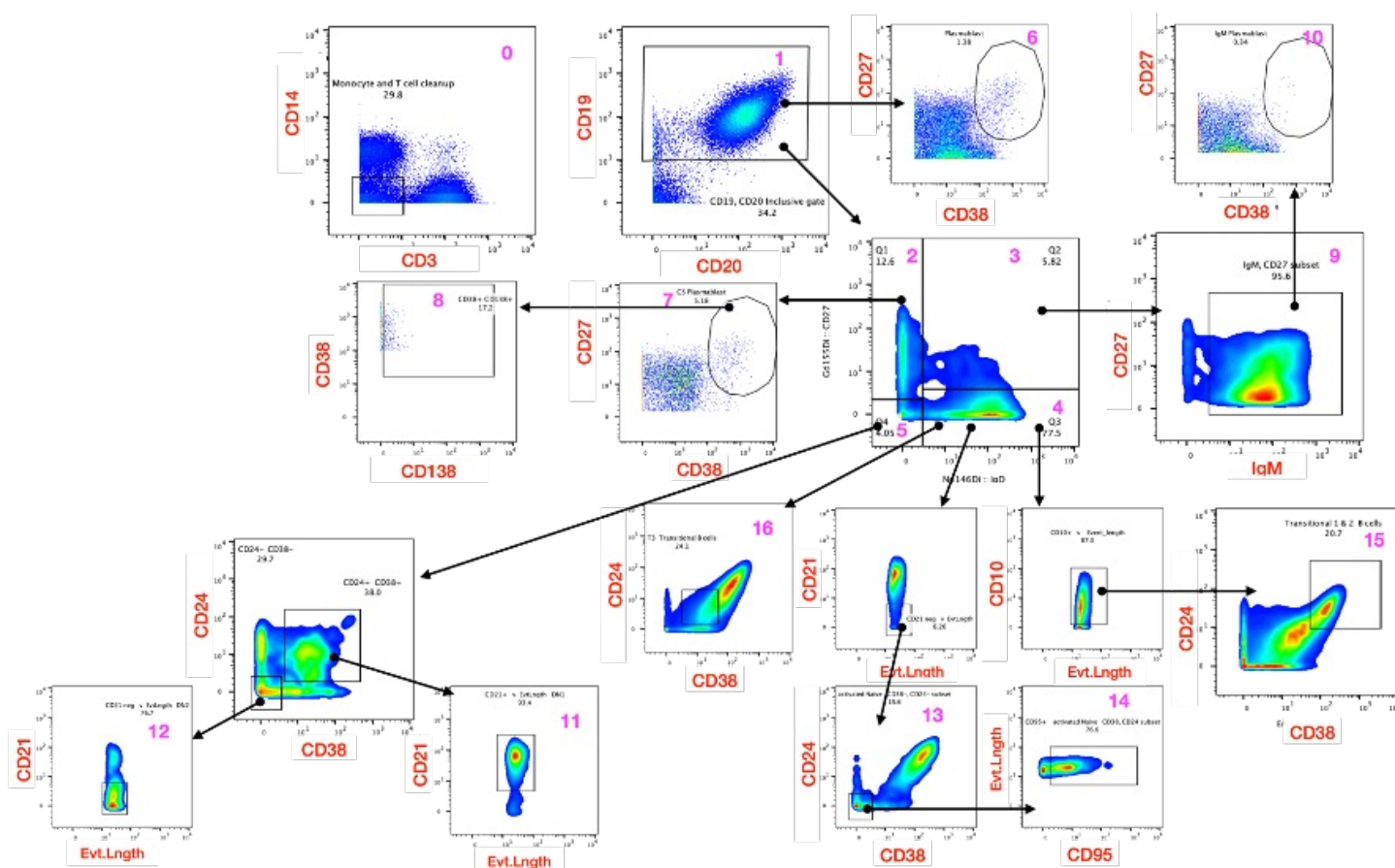
Supplementary Figure S1: CyTOF gating strategy.

Panel A. Cytof manual gates that outline B cell subsets in Panels D-G

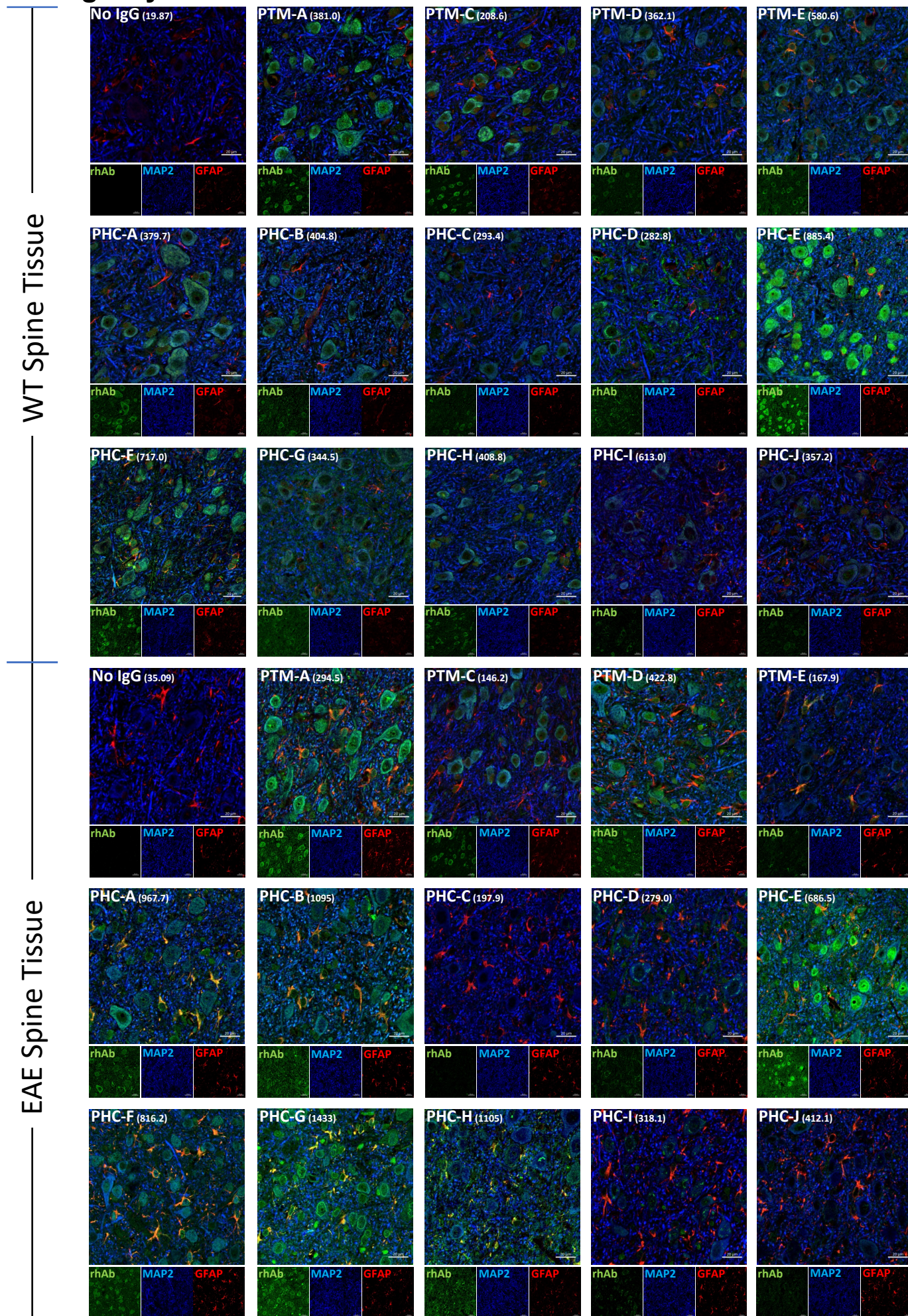


Panel B. CYTOF manual gates that outline B cell subsets in Panels H|I

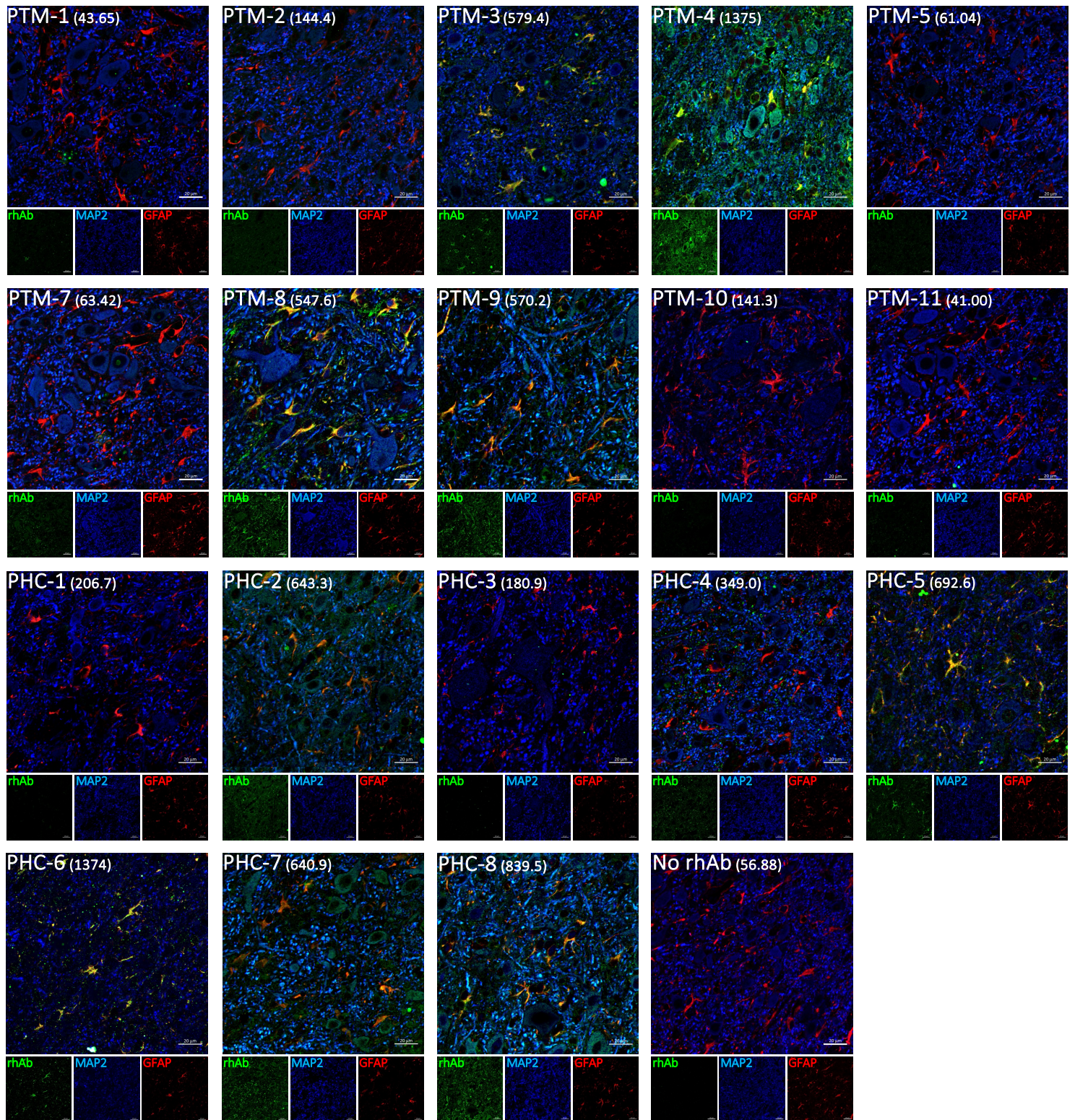
B



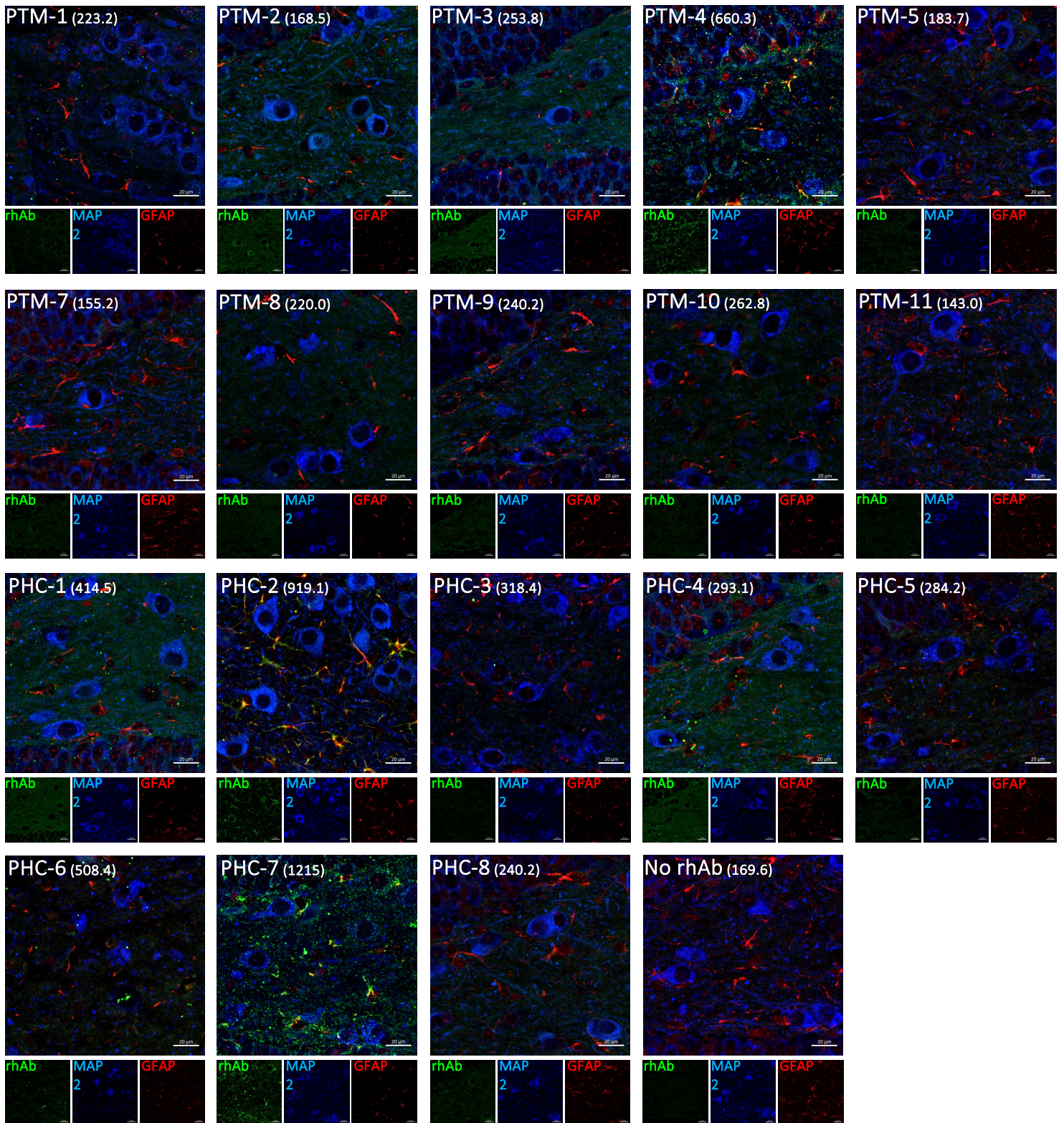
Supplementary Figure S2 – Wild-type and EAE mouse spinal cord reactivity of serum IgG by immunofluorescence.



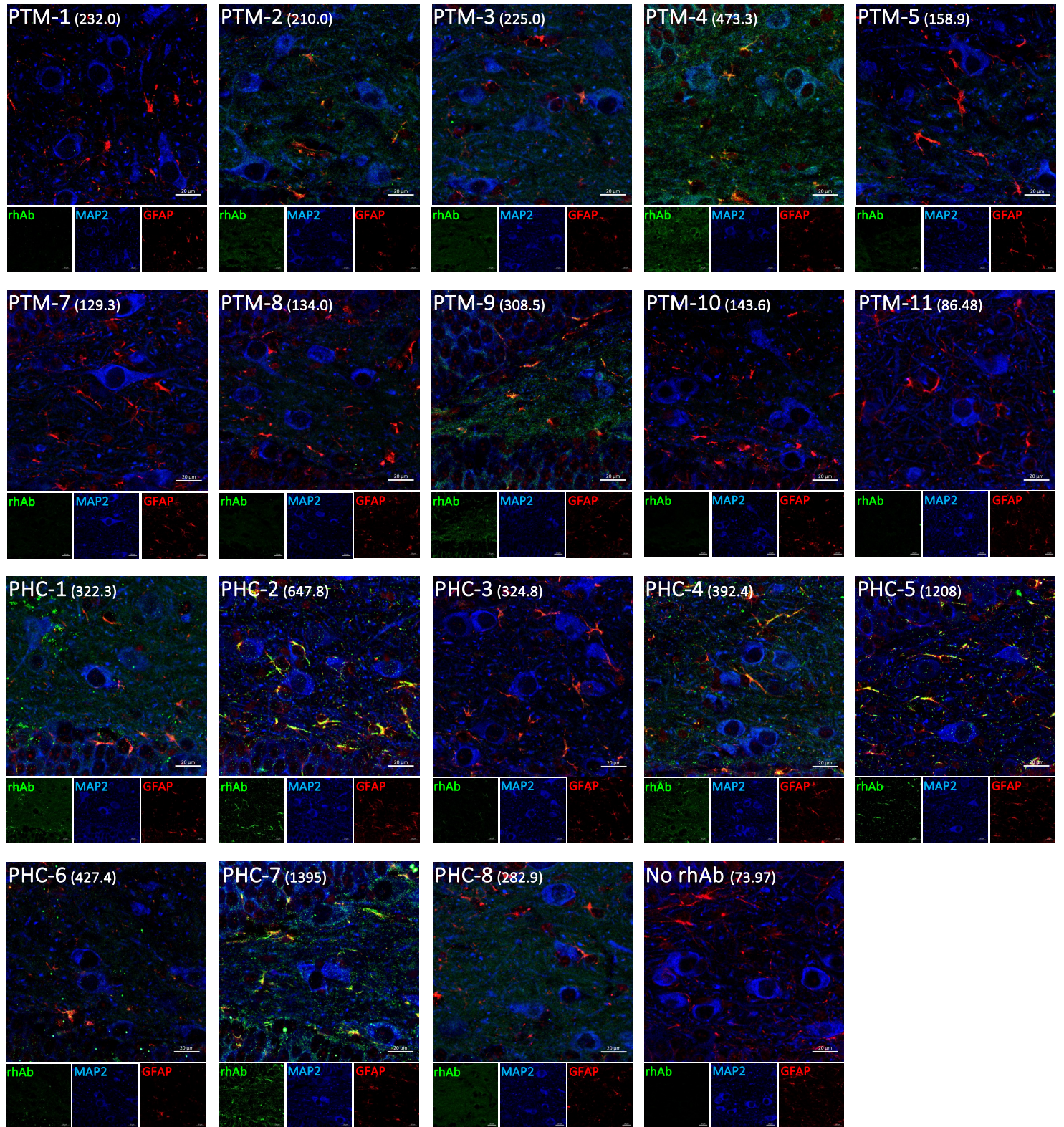
Supplemental Figure S4: EAE mouse spinal cord reactivity of rhAbs by immunofluorescence.



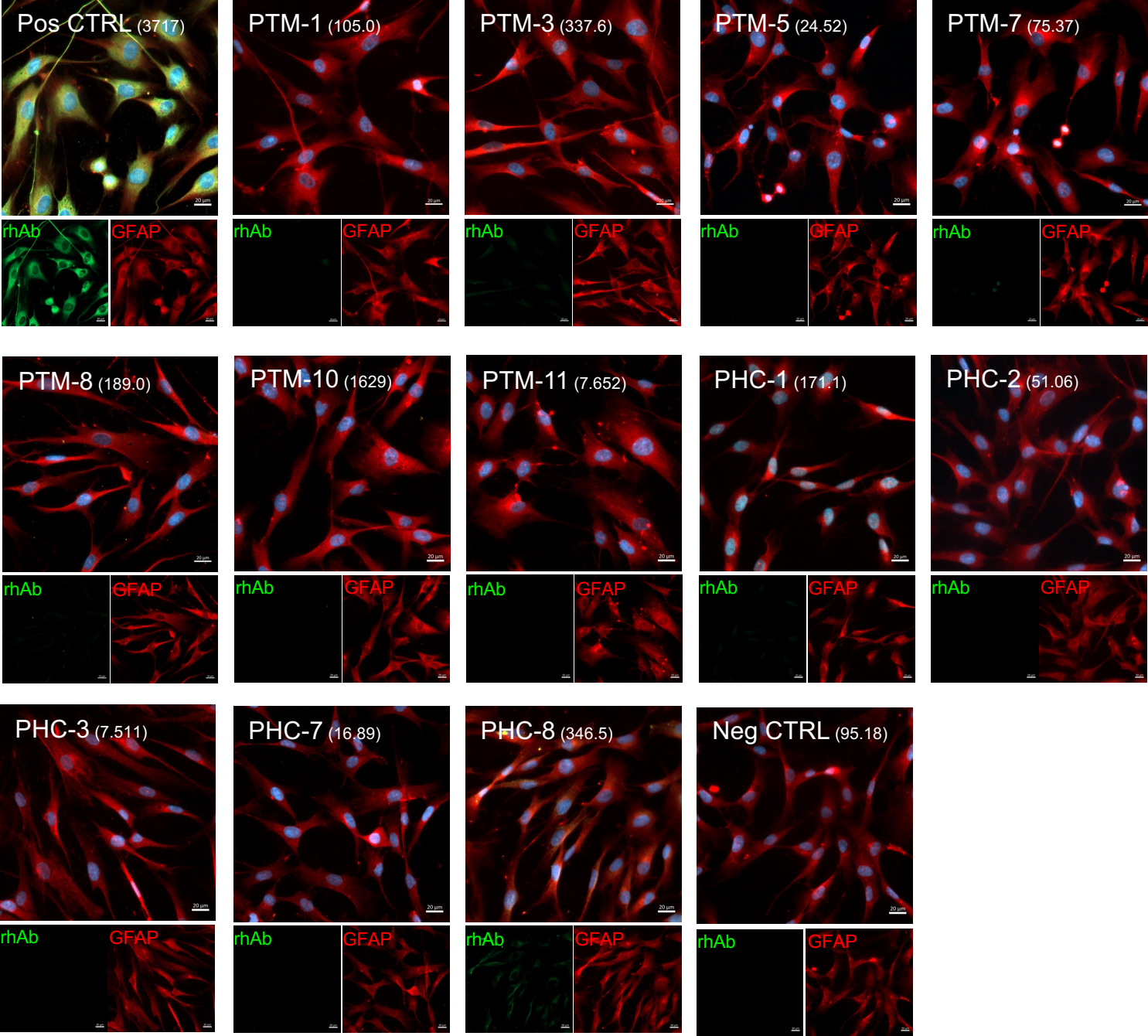
Supplemental Figure S5: Wild-type mouse brain reactivity of rhAbs by immunofluorescence.



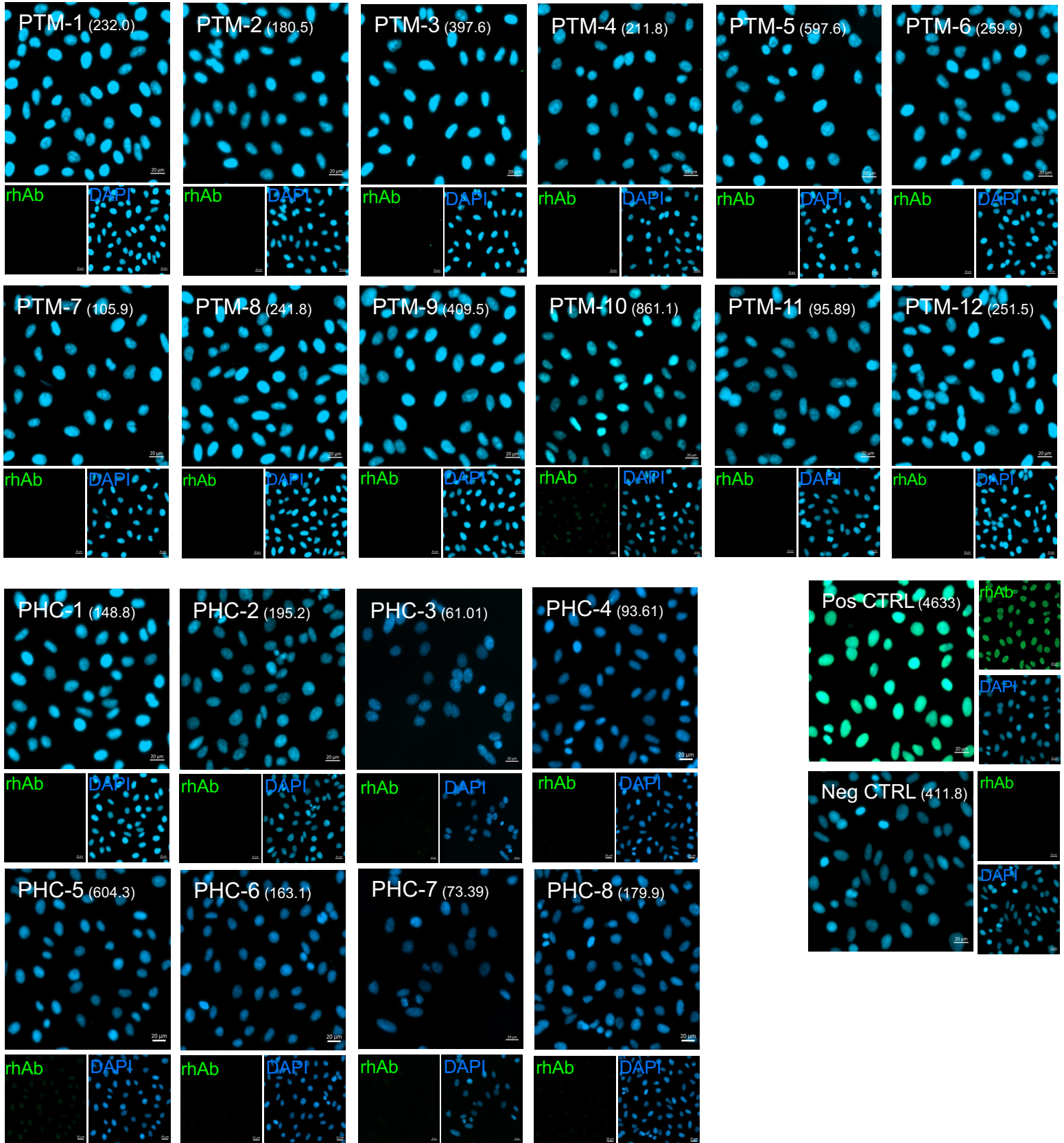
Supplemental Figure S6: EAE mouse brain reactivity of rhAbs by immunofluorescence



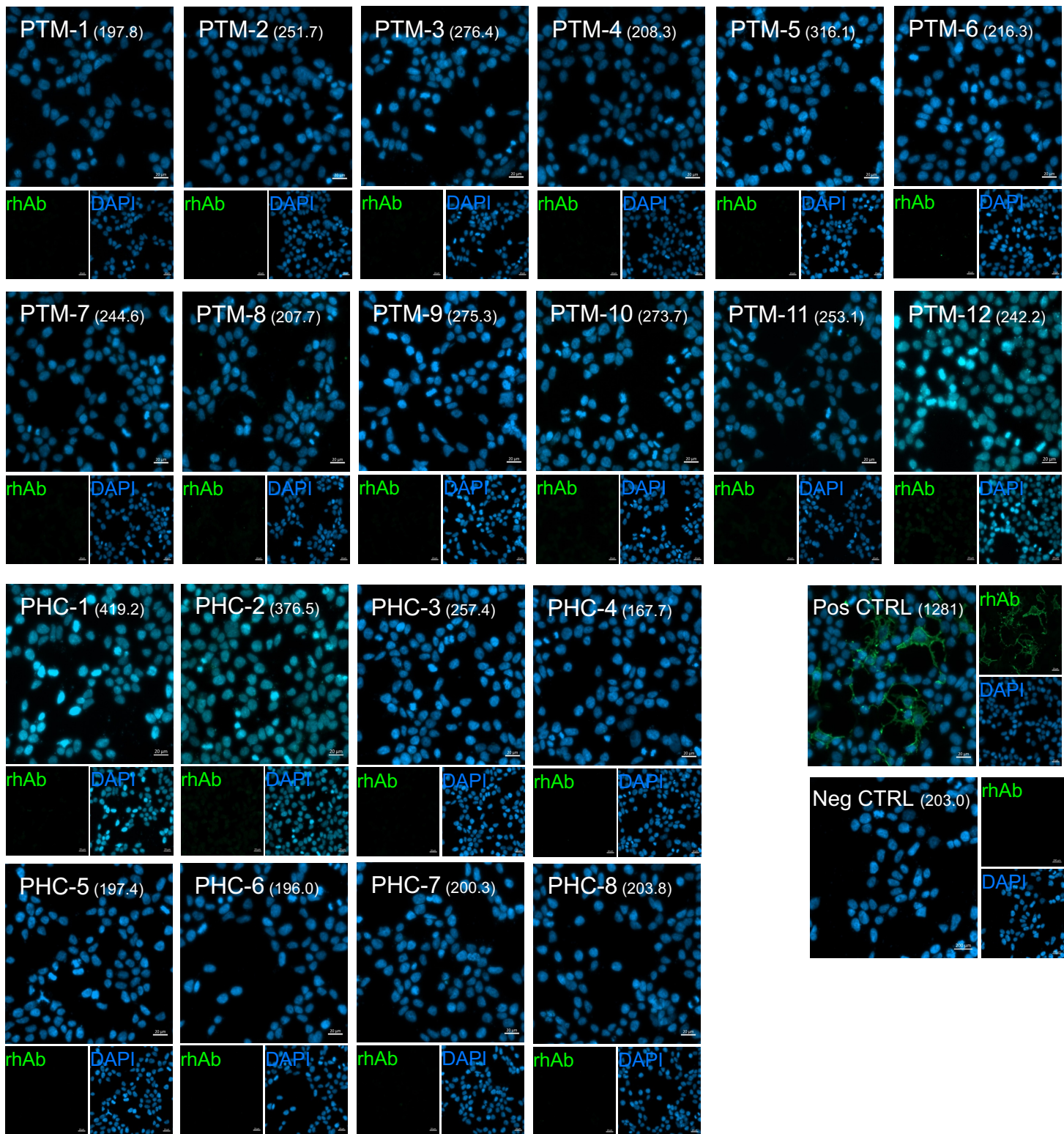
Supplemental Figure S7: Primary human astrocyte reactivity of rhAbs by ICC



Supplemental Figure S8: Hep2 reactivity of rhAbs by cell-based assay.

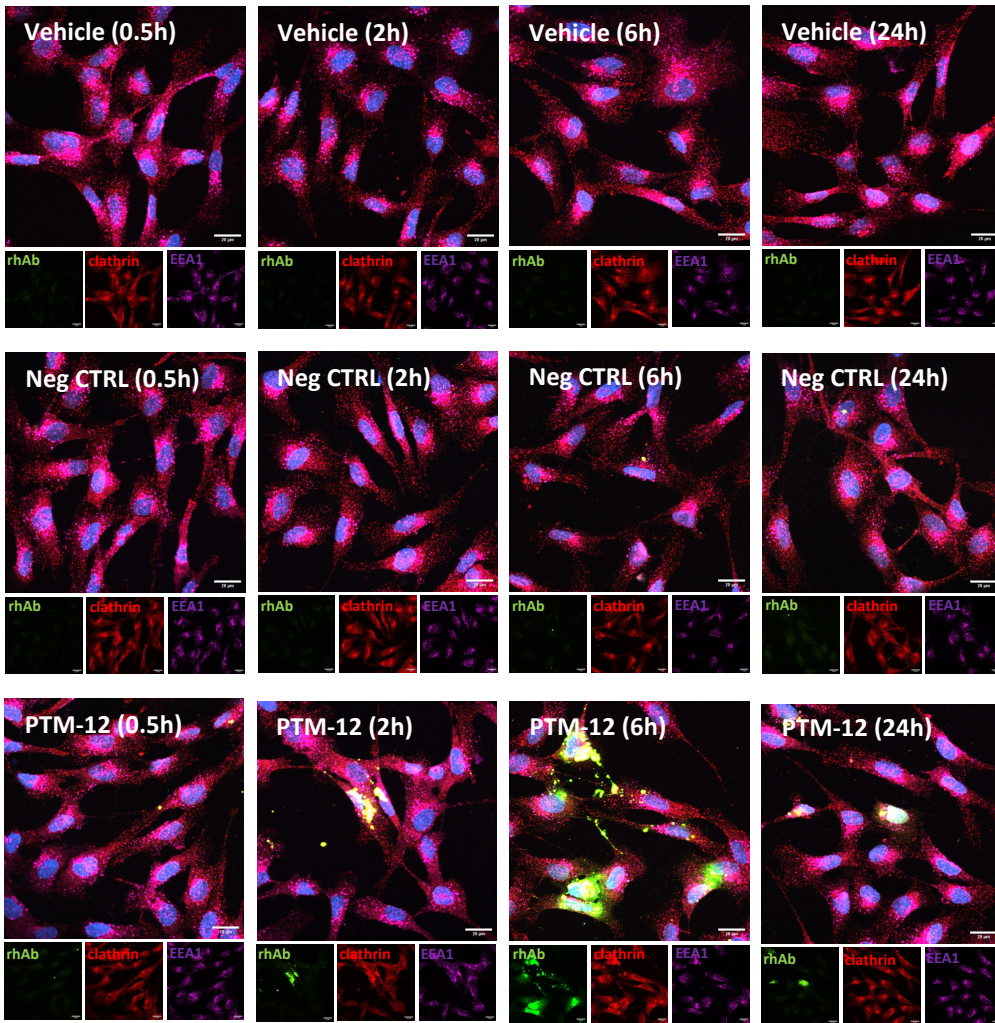


Supplemental Figure S9: Reactivity of rhAbs to HEK293 cells expressing AQP4.



Supplementary Figure S10: rhAbs are internalized to live primary human astrocytes

A



B

