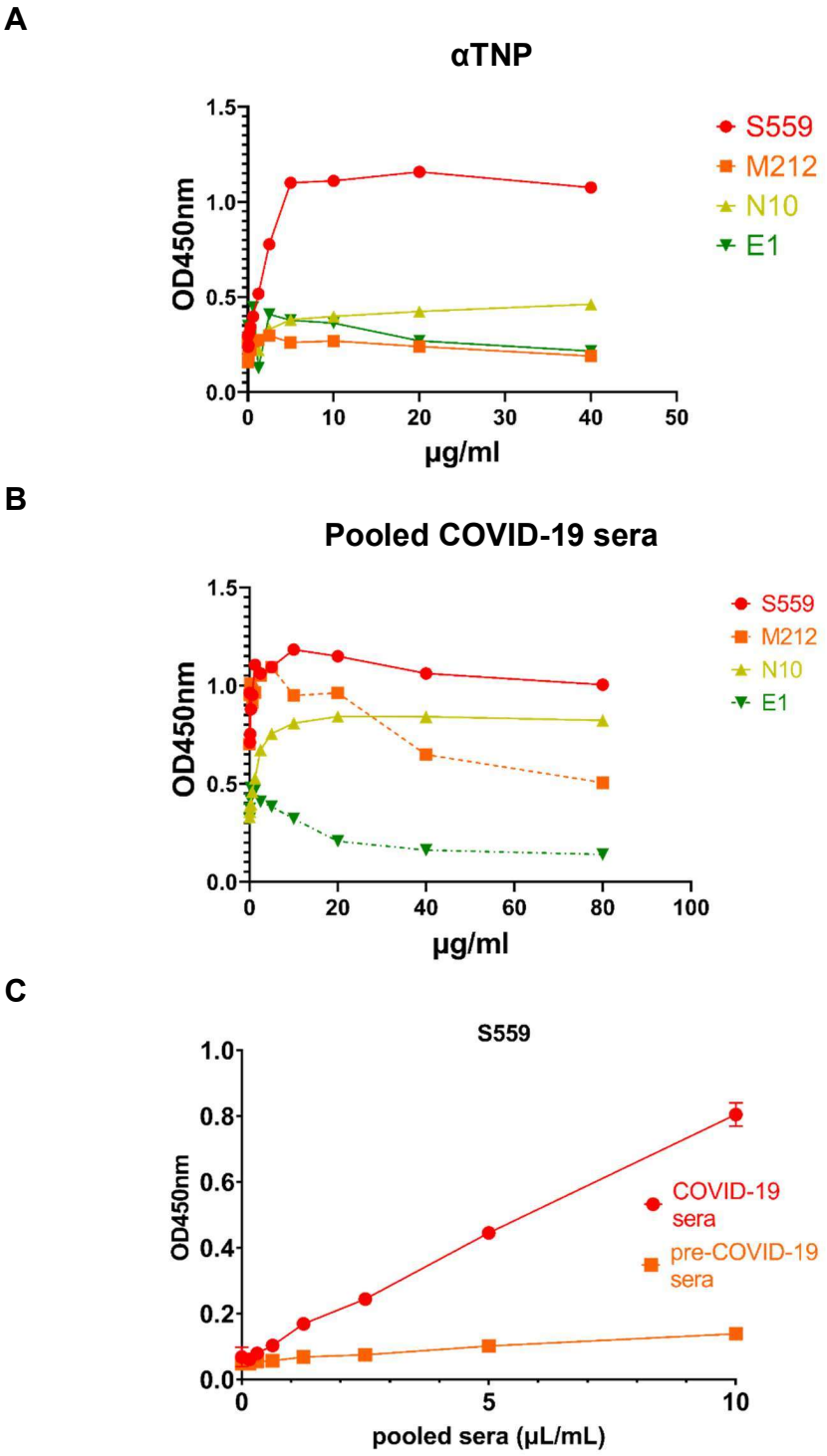

Supplementary Figure 4. ELISA optimization for lead candidate S559 with M212, N10, and E1 as comparator peptides. (A) Binding curve demonstrating successful immobilization of the polymeric peptides on microtiter plates. ELISA was performed using trinitrophenylated peptides and anti-TNP as primary antibody, mean ± SD (*n* = 3). (B) Optimization curve for antigen concentration in ELISA using sera pooled from 20 COVID-19 patients (1:100 dilution), mean ± SD (*n* = 3). (C) Binding curve of the lead candidate peptide S559 over serial dilutions of pooled COVID-19 patient sera compared to pre-COVID-19 controls, mean ± SD (*n* = 6).