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Supplemental information

**Ultrapotent and broad neutralization
of SARS-CoV-2 variants
by modular, tetravalent, bi-paratopic antibodies**

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Supplementary Figures and Figure Legends

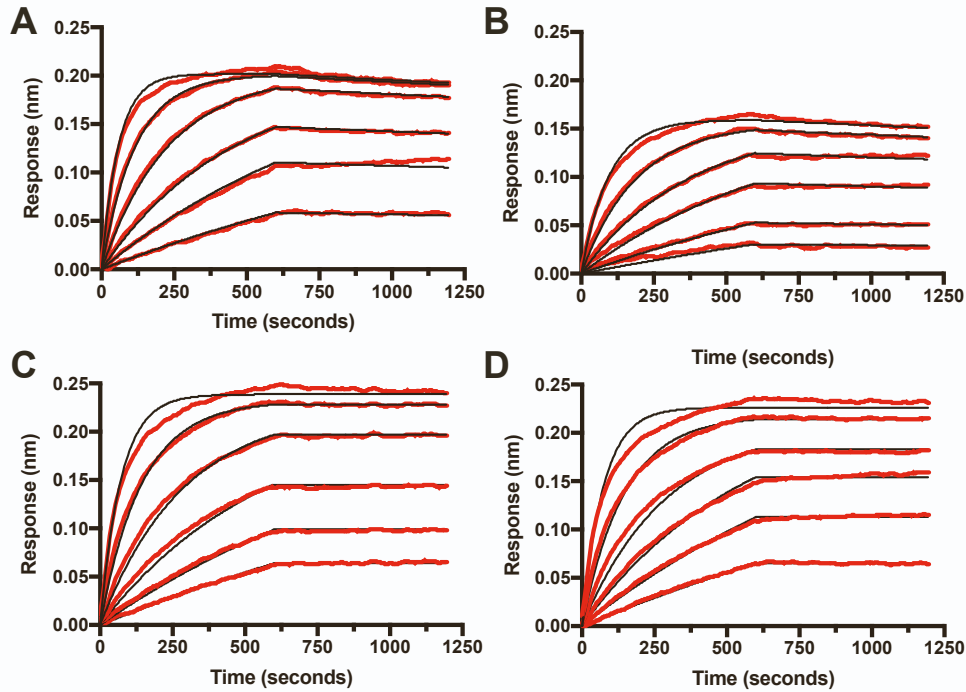


Figure S1. Binding sensorgrams for nAb:S-protein interactions, related to STAR Methods for BLI interferometry. Binding signals (red) of nAb-S-protein interactions were determined for **A) IgG 15033-7**, **B) D-Fc 15033-7**, **C) D-Fc-F 33-7:33-7** and **D) D-Fc-F 33-7:36** by biolayer interferometry exposing serial 2-fold nAb dilutions (from 20 nM) to immobilized sensor-immobilized S-protein. Global fits (black) were obtained using a 1:1 binding model.

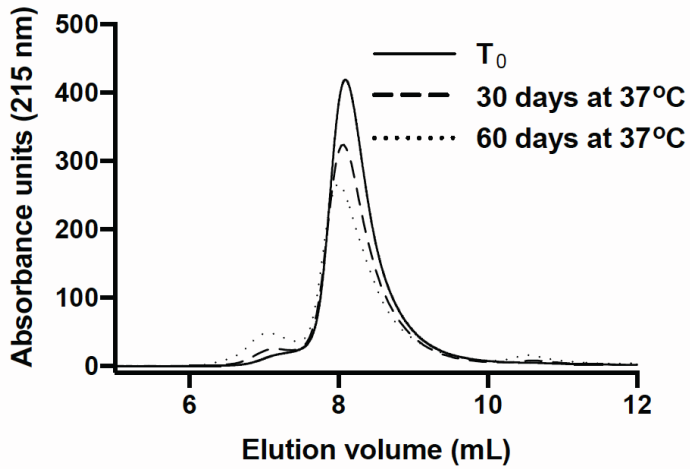


Figure S3 – SEC analysis of D-Fc-F 33-7:33-7, related to STAR Methods for Size exclusion chromatography The elution profiles of SEC-purified D-Fc-F 33-7:33-7 in HNS buffer were obtained by SEC analysis immediately following purification (T_0) or after 30- (dashed trace) and 60-days (dotted trace) incubation in HNS buffer supplemented with 0.02% sodium azide at 37°C.