

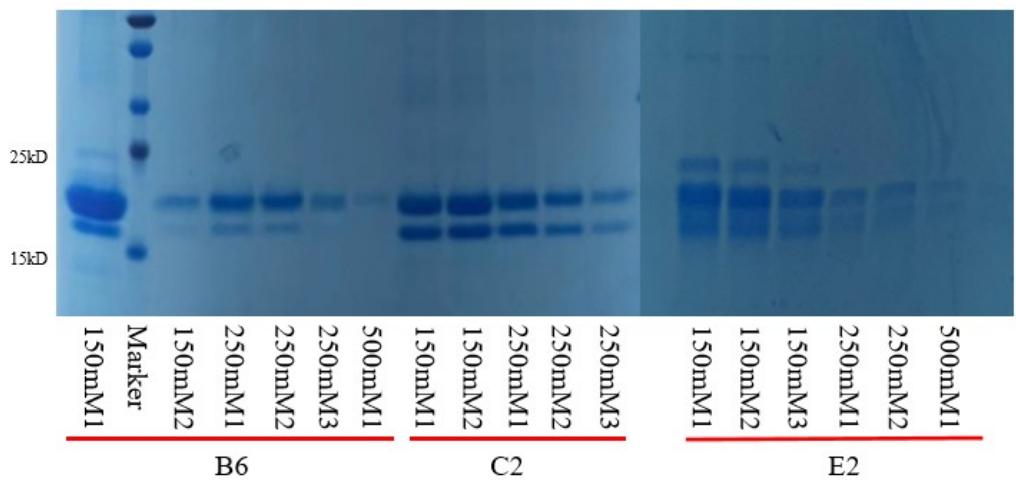
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2 Figure S1. Construct schematics and protein sequences. (A) Schematic diagrams of the protein
3 component arrangements. (B) C2-B6 expression vector. (C) SpyCatcher-C4BP-SnoopCatcher with
4 8xHis tag expression vector. (D) eGFP-SpyCatcher expression vector. (E) C2-B6-SnoopCatcher
5 expression vector for magnetic beads capture and biotinylation.

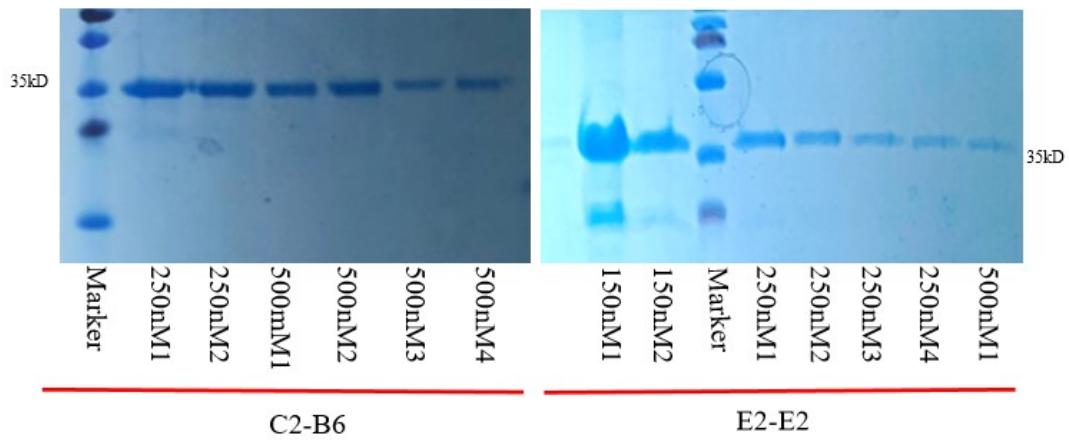
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A Monomer nanobodies



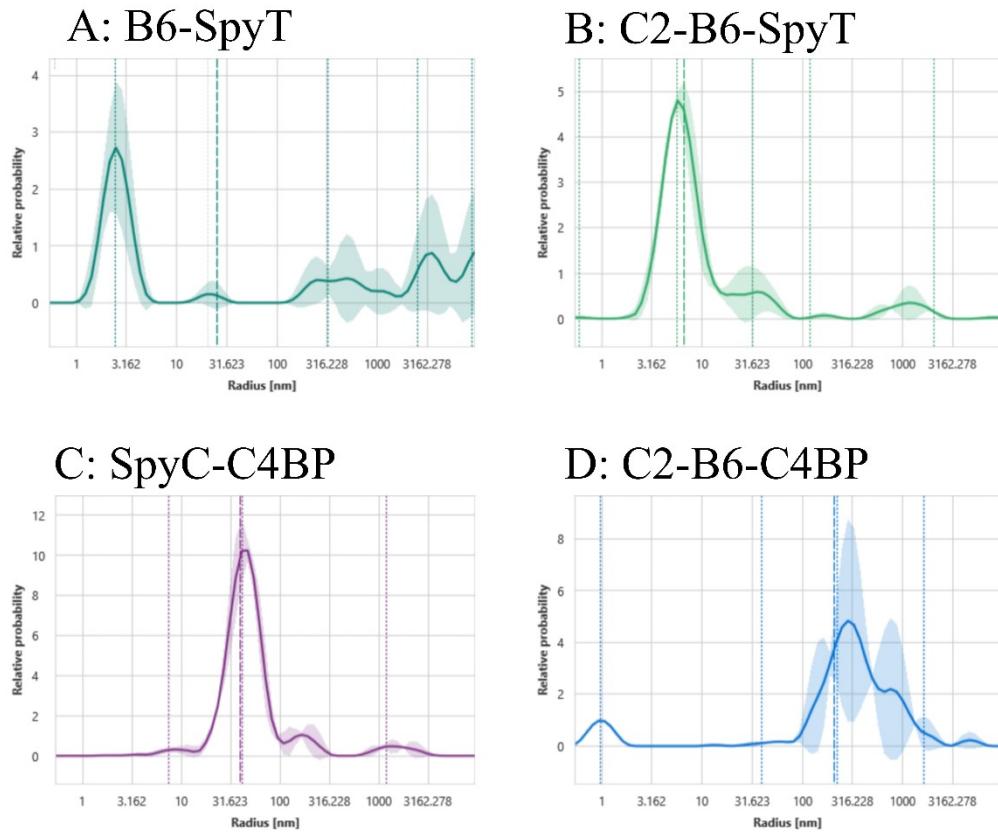
B Dimmer nanobodies



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9 Figure S2. Prokaryotic synthesis of SARS-CoV-2-specific nanobodies. A B6, C2,
10 and E2 are VHH monomers. B E2-E2 is a homodimer of E2, and C2-B6 is a heterodimer
11 of C2 and B6. The two VHH domains are connected by a 3x(GGGGS) flexible linker.

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15 Figure S3. Analysis of protein hydrodynamic diameter by MicroScale
 16 Thermophoresis/Temperature-Related Intensity Change (MST/TRIC).