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Supplemental information

**Molecular analysis
of a public cross-neutralizing
antibody response to SARS-CoV-2**

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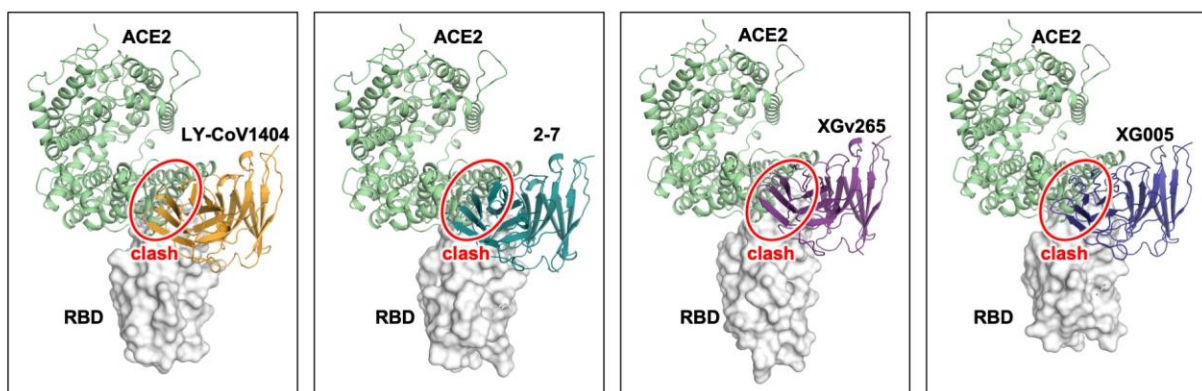


Figure S1. IGHV2-5/IGLV2-14 antibodies would clash with ACE2 binding, Related to Figure 1. Structures of antibody/RBD complexes are superimposed onto the RBD/ACE2 complex structure (PDB 6M0J)⁴². RBD is represented by a white surface. ACE2 is shown as green cartoon. LY-CoV1404: PDB 7MMO⁷. 2-7: PDB 7LSS²². XGv265: PDB 7WEE¹⁹. XG005: PDB 7V26²¹.

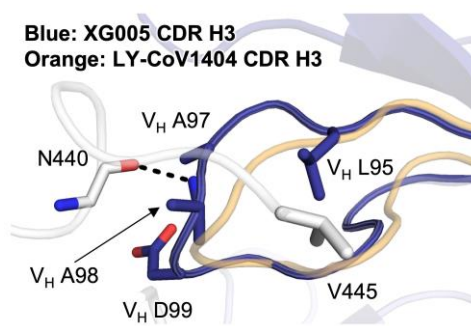


Figure S2. Interactions between RBD and CDR H3 of XG005, Related to Figure 3. A cryoEM structure of SARS-CoV-2 spike protein in complex with XG005 (PDB 7V26) that was reported in a previous study²¹ is shown. A hydrogen bond between XG005 and the RBD is represented by a black dashed line. The CDR H3 of LY-CoV1404 (PDB 7MMO)⁷ is also shown here as a transparent orange cartoon to demonstrate the relative positions of the CDR H3 loops from these two antibodies after superimposition.