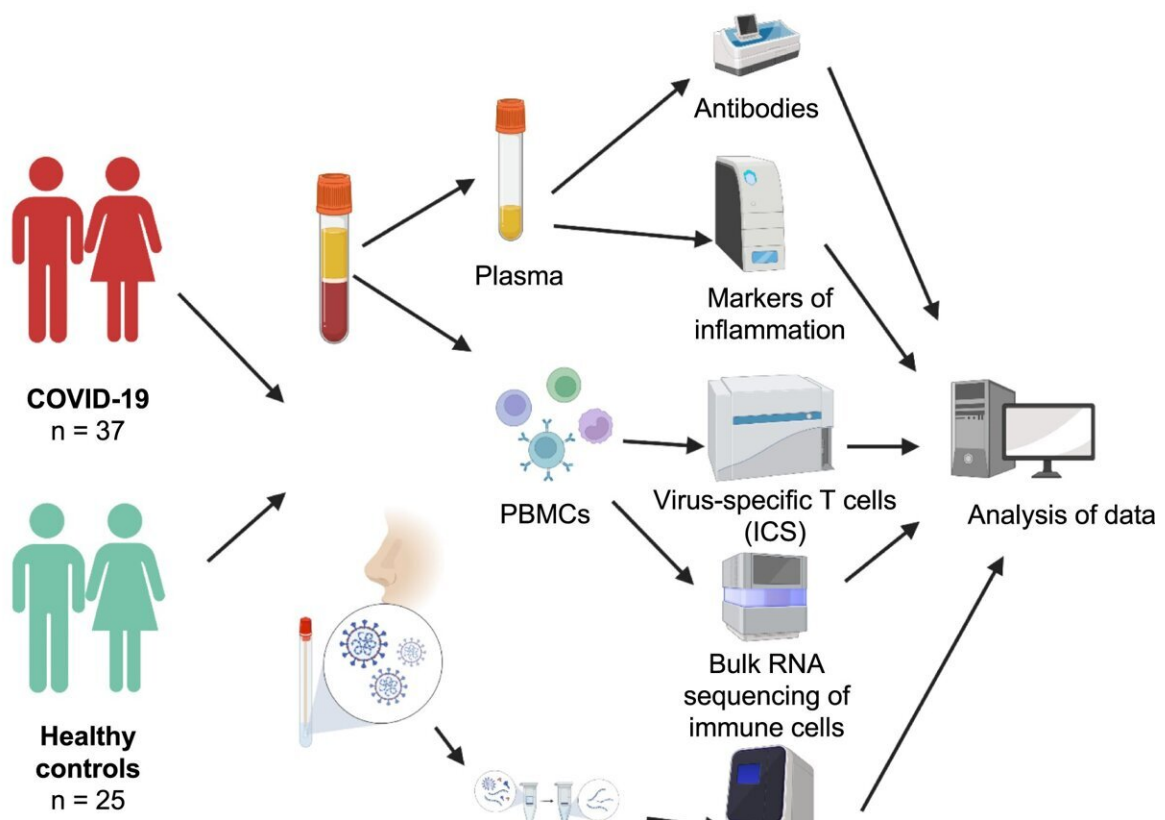


# Immune cells targeting core protein of virus are important for early immune defense against COVID-19

May 24 2023

**a**



Study overview, upper airways viral loads, and antibody-mediated neutralization of SARS-CoV-2. **a** Schematic representation of the study design. Donors were sampled weekly for 1 month and then periodically until 6 months after initial presentation. **b** Longitudinal quantification of upper airways viral loads (UAVLs) in patients with mild COVID-19 ( $n = 25$ ) recruited during the first week after symptom onset. Each line represents one donor. The green scale stratifies

patients according to days since symptom onset at presentation. **c** Pseudovirus neutralization titers ( $ID_{50}$ ) plotted versus days since symptom onset (DSO). Each dot represents one donor at one time point as follows: 0–7 DSO,  $n = 25$ ; 8–14 DSO,  $n = 30$ ; 15–21 DSO,  $n = 28$ ; 22–28 DSO,  $n = 20$ ; 29–35 DSO,  $n = 18$ ; 36–52 DSO,  $n = 8$ ; 53–95 DSO,  $n = 34$ ; 144–219 DSO,  $n = 29$ . The cutoff is indicated by the dotted red line. Serum samples that did not achieve 50% neutralization ( $ID_{50}$

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