Supplementary Material

A

IgM

IgA

IgG

Spike Ab Titers (AUC)

RBD Ab Titers (AUC)

Days from symptoms onset

B

IgM

IgA

IgG

Spike Ab Titers (AUC)

RBD Ab Titers (AUC)

HD

COVID-19

1st, 2nd, 3rd, and 4th donation - Healthy Donor

C

Spike IgG1

Spike IgG2

Spike IgG3

Spike IgG4

OD(490nm)

NT50: 100-500

Neutralization (%)

Reciprocal serum dilution

NT50: 501-1000

NT50: 1001-3000

NT50 > 3000

Reciprocal serum dilution

Neutralization (%)

Reciprocal serum dilution

Reciprocal serum dilution

Reciprocal serum dilution
Supplementary Figure 1. Humoral response mounted against SARS-CoV-2 Spike is represented up to 6 months from the onset of symptoms in COVID-19 outpatients. (A) Spike and RBD-specific titers for IgM, IgA and IgG antibodies measured as AUC (Area Under Curve) are displayed according to their respective sampling day from the onset of symptoms (83 COVID-19 samples from 70 donors and 14 controls). 13 follow-up samples are distinguished with different shapes and linked with a red trace. Healthy donor threshold is shown (Mean plus 2 standard deviations). (B) Spike and RBD-specific titers for IgM, IgA and IgG antibodies measured as AUC are compared between convalescent outpatients and healthy donors. Two-tailed unpaired nonparametric Mann-Whitney test p<0.0001 are shown as ****. (C) Correlations between RBD- and spike-specific titers for IgM, IgA and IgG subtypes for the entire cohort of samples (83 samples from 70 donors). Spearman’s r and p values are shown. (D) Spike-specific IgG1, IgG2, IgG3 and IgG4 sub-class Abs measured as OD490 values are displayed according to their respective sampling day from the onset of symptoms. 13 follow-up samples are distinguished with different shapes and linked with a red trace. Mean values of healthy donors are shown as dotted lines (83 COVID-19 samples from 70 donors and the mean of controls). (E) Spike-specific IgG1, IgG2, IgG3 and IgG4 sub-class Abs measured as OD490 values are compared between convalescent outpatients and healthy donors. Two-tailed unpaired nonparametric Mann-Whitney test p<0.0001 are shown as ****. (F) Neutralization curves using HIV-1-S ∆19 pseudovirus. Samples were titrated in triplicate at serial threefold dilutions (1:40 to 1:87,480) and are expressed as percent of neutralization ± %CV. It displays the NT50 range above each graph.
Supplementary Figure 2. Ab-dependent NK effector functions and symptoms reported at the time of diagnosis. The box plots show the Ab-dependent NK effector function activity grouped according to different symptoms reported by patients at the time of diagnosis (70 donors).