

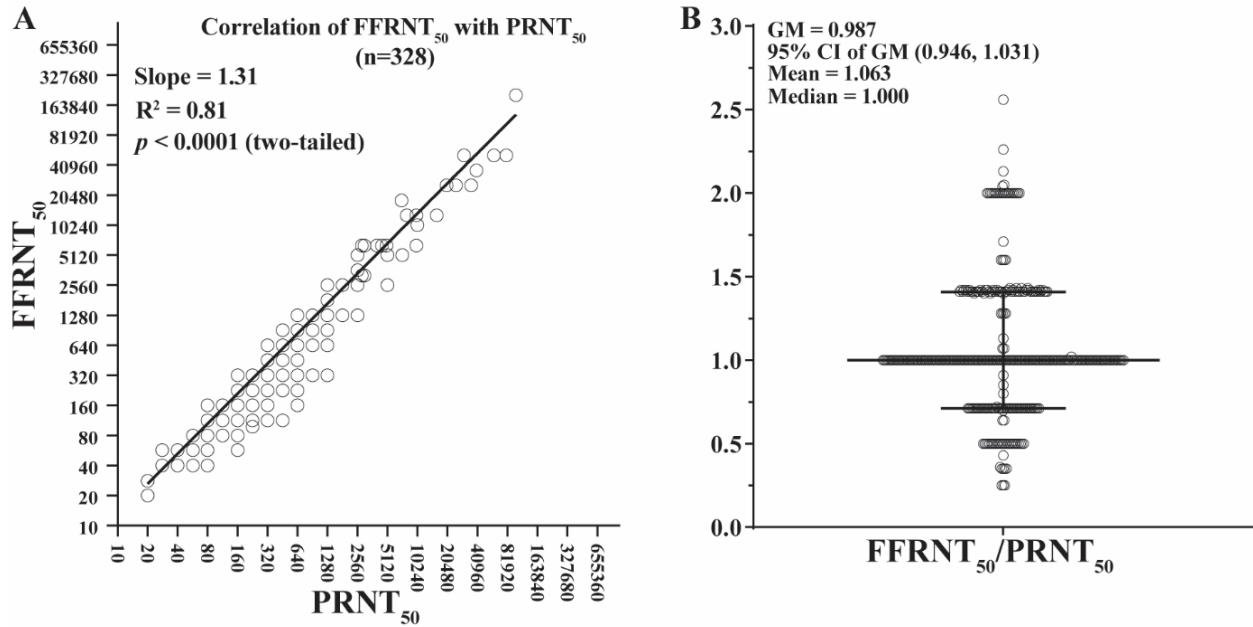


Figure S2. Correlation of neutralization titers measured by fluorescent focus-reduction neutralization test (FFRNT) and plaque reduction neutralization test (PRNT). A historical data set of BNT162b2-vaccinated sera are presented with a total of 328 tests. The neutralization titers of a serum panel were measured using mNG SARS-CoV-2-based FFRNT and conventional SARS-CoV-2-based PRNT methods. The correlation between FFRNT₅₀ and PRNT₅₀ is plotted in (A). A simple linear regression model was used to calculate the coefficient of correlation (R^2) and the two-tailed p value. The FFRNT₅₀/PRNT₅₀ ratios derived from 328 human serum samples are presented in (B). GM, geometric mean; CI, confidence interval. The error bar shows the 95% CI of GM.



Figure S3. BNT162b2-vaccinated sera. A panel of 22 human sera was collected one month post 3 doses of the BNT162b2 vaccine. The time intervals between the three doses are indicated. This panel of sera was as recently reported.¹

Table S1. FFRNT₅₀ values of BNT162b2-vaccinated sera

Subject ID	Age (Years)	Sex (F/M)	*FFRNT ₅₀					
			USA-WA1/2022			BA.1-spike	BA.2-spike	BA.3-spike
			^{&} Exp1	^{&} Exp2	GMT			
1	26	F	640	905	761	320	320	226
2	28	M	1280	1810	1522	320	320	113
3	35	F	1280	1280	1280	640	453	320
4	35	F	1280	1280	1280	320	226	226
5	38	F	1280	1810	1522	640	640	320
6	38	F	320	320	320	160	160	80
7	44	F	640	453	538	113	113	80
8	44	F	2560	1280	1810	640	640	320
9	52	F	2560	1280	1810	320	320	320
10	54	M	1280	1280	1280	453	320	226
11	65	M	1280	640	905	226	226	113
12	65	M	5120	2560	3620	640	1280	320
13	66	F	640	640	640	160	160	80
14	67	M	640	905	761	320	160	113
15	68	M	640	905	761	160	113	113
16	68	F	5120	2560	3620	905	640	640
17	68	F	640	640	640	160	113	80
18	69	F	1280	905	1076	320	226	160
19	69	F	2560	1810	2153	905	640	640
20	70	M	10240	10240	10240	1280	1810	1810
21	73	M	320	453	381	40	80	28
22	74	F	1280	1280	1280	640	320	160
[†] GMT	--	--	1280	1146	1211	336	300	190
[^] 95% CI	--	--	866-1893	827-1589	854-1718	234-482	210-431	127-284

*Individual FFRNT₅₀ value is the geometric mean of duplicate plaque assay results.

[&]Two independent experiments were performed for mNG USA-WA1/2022 because BA.1-, BA.2-, and BA.3-spike SARS-CoV-2s were tested in two experiments.

[#]The sera were collected at 1 month after dose 3 of BNT162b2 vaccine, as recently reported.¹

[†]Geometric mean neutralizing titers.

[^]95% confidence interval (95% CI) for the GMT.

Supplemental References

1. Falsey AR, French RW, Jr., Walsh EE, et al. SARS-CoV-2 Neutralization with BNT162b2 Vaccine Dose 3. *N Engl J Med* 2021. DOI: 10.1056/NEJMc2113468.