Group	Participants	S1 IgG	N IgG
	Ν	IU/ml (Mean \pm	Positive N (%)
		SD)	
LT patients vaccinated with	h 3 rd		
or 4 th dose	59		
Infection naïve	37	4012 ± 5246	0/37 (0)
PCR confirmed	10	9509 ± 10506	7/10 (70.0)*
Infection suspected	12	18766 ± 25494	8/12 (66.7)
KT patients vaccinated with	h 3 rd		
dose	18		
Infection naïve	12	1021 ± 2630	0/12 (0)
PCR confirmed	5	1398 ± 2744	$2/5~(40.0)^{\dagger}$
Infection suspected	1	112	0/1 (0)

Supplementary Table 1. Anti-spike 1 and anti-nucleocapsid antibody responses in immunecompromised patients

P value of N protein IgG antibody positivity in PCR confirmed patients between LT^* and KT^{\dagger} patients was 0.329.

Abbreviation: LT, Liver transplant; KT, Kidney transplant

Group	Participants N	S1 IgG IU/ml (Mean ±	N IgG Positive N (%)
		ChA/ChA/BNT	
Infection naïve	20	700 ± 490	0/20 (0)
PCR confirmed	30	5295 ± 3490	24/30 (80.0)*
Infection suspected	8	3272 ± 1980	6/8 (75.0)
BNT162b2	42		
Infection naïve	23	765 ± 1021	0/23 (0)
PCR confirmed	19	4956 ± 3396	14/19 (73.7) [†]
Infection suspected	0		0/0
mRNA-1273	12		
Infection naïve	8	3096 ± 2158	0/8 (0)
PCR confirmed	3	9657 ± 969	1/3 (33.3) [‡]
Infection suspected	1	15264	0/1 (0)

Supplementary Table 2. Comparisons of anti-spike 1 and anti-nucleocapsid antibody responses by vaccine types in vaccinated HCW

P value of N protein IgG antibody positivity in PCR confirmed patients between $ChA/ChA/BNT^*$ and mRNA-1273[‡] was 0.048 by Fisher's exact test.

N protein IgG antibody positivities in PCR confirmed patients between $ChA/ChA/BNT^*$ and $BNT162b2^{\dagger}$ and between $BNT162b2^{\dagger}$ and $mRNA-1273^{\ddagger}$ were not significant.

Abbreviation: ChA/ChA/BNT, ChAdOx1/ChAdOx1/BNT162b2