

Supplementary Table S2 The levels of cytokines were measured in different time points during the SARS-CoV-2 vaccination process from the healthy volunteers using ELISA method.

Sample ID	The measurement of antibodies before vaccination (pg/ml)			The measurement of antibodies at 2 weeks after first dose (pg/ml)			The measurement of antibodies at 1 week after second dose (pg/ml)			The measurement of antibodies at 2 weeks after second dose (pg/ml)		
	IFN- γ	IL-2	IL-4	IFN- γ	IL-2	IL-4	IFN- γ	IL-2	IL-4	IFN- γ	IL-2	IL-4
F01	0	0	5.30952381	1.563830234	0	1.845238095	2.12103855	0	7.55952381	0.16977455	1.256704981	2.595238095
F02	0.71778095	0	8.55952381	1.899606059	0	3.202380952	1.380776684	0	11.5952381	0.573108359	0	9.202380952
F03	0	0	0	0.329546159	0	6.666666667	0.923442059	0	6.380952381	0.436089659	0.233716475	0.952380952
F04	0	0	2.738095238	0.010055309	0	2.488095238	1.091081784	0	8.916666667	0	7.848659004	1.273809524
F05	0	0	0	0	0	2.05952381	0.6264038	0	9.273809524	1.007254738	0	4.130952381
F06	0	0	10.98809524	0	0	7.845238095	0.740627909	0	22.23809524	0.04807895	5.01532567	19.41666667
F07	35.36339925	0.003831418	8.988095238	41.1621525	0	12.8452381	55.59690017	0	13.27380952	55.66326781	0	7.130952381
F08	26.66961361	0	20.52380952	55.66326781	0	7.130952381	48.80945445	0	23.05952381	72.1957744	0	18.02380952
F09	28.56347588	2.95210728	1.773809524	48.91852025	1.739463602	3.80952381	50.73268094	3.27394636	16.02380952	69.2889882	13.14176245	3.130952381
F10	19.2487545	3.762452107	2.380952381	49.34411681	0.337164751	1.05952381	70.35860913	1.825670498	15.63095238	52.4438621	1.314176245	0.880952381
F11	23.62786936	0.699233716	6.880952381	48.79854925	0	3.773809524	45.97171826	2.394636015	9.095238095	56.31636444	3.963601533	9.05952381
F12	18.36213757	1.986590038	0	28.34452878	0	2.880952381	37.33770025	0.164750958	0	36.44500463	9.601532567	0
F13	26.815	0	7.952380952	19.20794882	0	1.202380952	40.16555505	0	3.488095238	30.12013815	5.095785441	1.630952381
F14	16.75682023	2.285440613	11.91666667	34.98227997	0	0	35.36339925	0	16.77380952	32.11323122	0	15.66666667
F15	19.72852226	0	0.773809524	36.99741679	0	1.130952381	63.08627129	0	0.952380952	54.83432213	0	0
M01	0.086105559	1.03256705	9.238095238	0.740627909	0	1.166666667	3.444072809	1.049808429	15.66666667	1.007254738	6.69348659	10.95238095
M02	0.177381534	16.28544061	0	1.624863284	0	0	2.037035159	2.567049808	4.666666667	0.146954309	10.89463602	1.345238095
M03	0	2.181992337	0.666666667	0.299109434	0	0	0.47414655	3.69348659	3.630952381	0	10.91762452	5.416666667
M04	1.518060434	3.739463602	3.238095238	1.731689409	2.561302682	5.916666667	2.747698438	1.727969349	32.88095238	1.243531409	7.888888889	29.52380952
M05	0	0.331417625	0	0.177381534	0	15.30952381	1.14443375	0	2.880952381	0.35237495	12.74521073	0
M06	0	0	0	0.0176598	0	1.273809524	0.512206409	0	6.130952381	0.580721637	0	0
M07	0	0.078544061	0	0.847261184	0	0	0.847261184	0	0	0	0	0
M08	47.94050518	42.44636015	0	34.20473375	21.13601533	0	33.61222628	14.56130268	0	53.00380941	32.17624521	1.202380952
M09	0	1.388888889	0	0.41325695	0	10.30952381	0	0	7.095238095	0	1.572796935	3.166666667
M10	0	0	43.77380952	0	0	29.66666667	0.154560938	0	57.80952381	0	2.647509579	2.702380952
M11	0	1.090038314	0	0.367594737	0	5.238095238	0.192595859	0	6.916666667	0	0	0.130952381
M12	0.53504375	0	2.845238095	1.281651238	0	4.773809524	0.771092184	0.130268199	3.666666667	0.314327559	0.584291188	5.416666667
M13	1.601975	0	6.738095238	0.314327559	0.584291188	5.416666667	2.166864638	0	0	0.0176598	0	10.70238095
M14	0.672090238	0	3.845238095	1.960680909	0	11.80952381	2.51834	0	31.70238095	0	14.07279693	22.02380952
M15	5.777552109	1.03256705	9.238095238	2.533627238	0	1.166666667	1.914874059	1.049808429	15.66666667	0.83964375	6.69348659	10.95238095
Mean	9.138736247	2.709897829	5.612301587	13.79120946	0.878607918	4.999603175	16.89476893	1.081289911	11.76587302	17.30538456	5.145274585	6.554365079
Standard deviation	13.24771576	7.965012354	8.592282657	19.37038178	3.801813905	6.099503626	23.06971263	2.721566662	12.16137412	25.25703494	6.825979293	7.541293906