

Supplemental information

Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection

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Table S1 SARS-CoV-2 pseudovirus and authentic virus serum neutralization (ID50s) in BLAB/c mice and rabbits, related to figure 3.

Pseudovirus neutralization

	Animal ID	Week -1/0	Week 6	Week 14
Mice	1		75063	n.d.
	2	<100*	25593	63015
	3		2588	231100
	4	<100*	23399	63418
	5		2992	n.d.
	6	<100*	8179	17235
	7		14035	35046
	8	<100*	19548	18749
Rabbits	1	<100	68298	34813
	2	<100	41968	76139
	3	<100	41162	135128
	4	<100	77885	152796
	5	<100	90884	186147

Authentic virus neutralization

	Animal ID	Week 14
Mice	1	n.d.
	2	6700
	3	9716
	4	4651
	5	n.d.
	6	1649
	7	3478
	8	3068
Rabbits	1	4514
	2	28180
	3	15110
	4	10138
	5	30851

n.d. Not determined
 <100
 101 - 1,000 ID50
 1,001 - 10,000 ID50
 10,001 - 100,000 ID50
 >100,001 ID50

*Samples were pooled

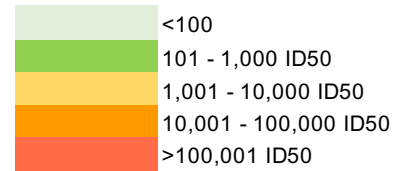
Table S2. SARS-CoV-2 pseudovirus and authentic virus neutralization titers (ID50s) in cynomolgus macaques, related to figure 5.

Pseudovirus neutralization

	Animal ID	Week 0	Week 2	Week 4	Week 6	Week 8	Week 10	Week 12	Week 14	Week 15	Week 18
Control macaques	MF1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	<100	112	452	299
	MF2	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	<100	6583	1553	311
	MF3	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	<100	1818	1442	571
	MF4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	<100	381	344	<100
Vaccinated macaques	MF5	<100	162	251	11340	9179	3043	30766	8212	6615	3782
	MF6	<100	912	<100	2981	1324	1469	10720	10384	4415	2690
	MF7	<100	584	<100	10171	6646	2780	29198	12679	10476	5322
	MF8	<100	599	<100	5087	3894	3150	30080	20526	4507	2762
	MF9	<100	183	<100	22450	30300	22328	23523	32909	11352	5680
	MF10	<100	<100	2515	7558	2991	1101	17128	19730	4376	8544

Authentic virus neutralization

	Animal ID	Week 0	Week 6	Week 12
Control macaques	MF1	n.d.	n.d.	n.d.
	MF2	n.d.	n.d.	n.d.
	MF3	n.d.	n.d.	n.d.
	MF4	n.d.	n.d.	n.d.
Vaccinated macaques	MF5	<20	792	4190
	MF6	<20	166	1239
	MF7	<20	2155	5095
	MF8	<20	1629	1913
	MF9	<20	3040	3694
	MF10	<20	1372	4851



Authentic virus neutralization post challenge

	Animal ID	Week 12	Week 15	Week 18
Control macaques	MF1	<20	813	94
	MF2	<20	1110	32
	MF3	<20	444	137
	MF4	<20	<20	<20
Vaccinated macaques	MF5	2519	2528	2469
	MF6	2456	3963	2840
	MF7	11069	8586	5102
	MF8	8782	3020	665
	MF9	8606	11036	2842
	MF10	6345	3321	1190