

Supporting Information

Preparation of monoclonal antibodies against norovirus and establishment of a rapid immunochromatographic technique

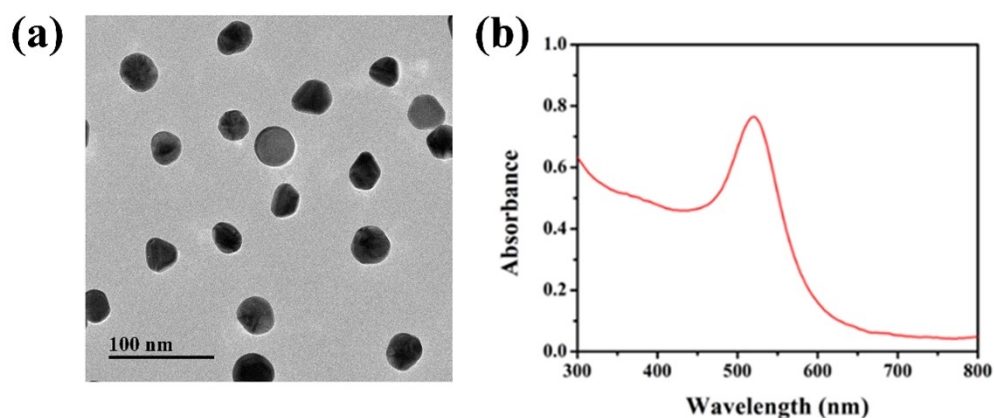


Fig. S1 Characterization of gold nanoparticles: (a) TEM image, and (b) UV-Vis absorption spectrum.

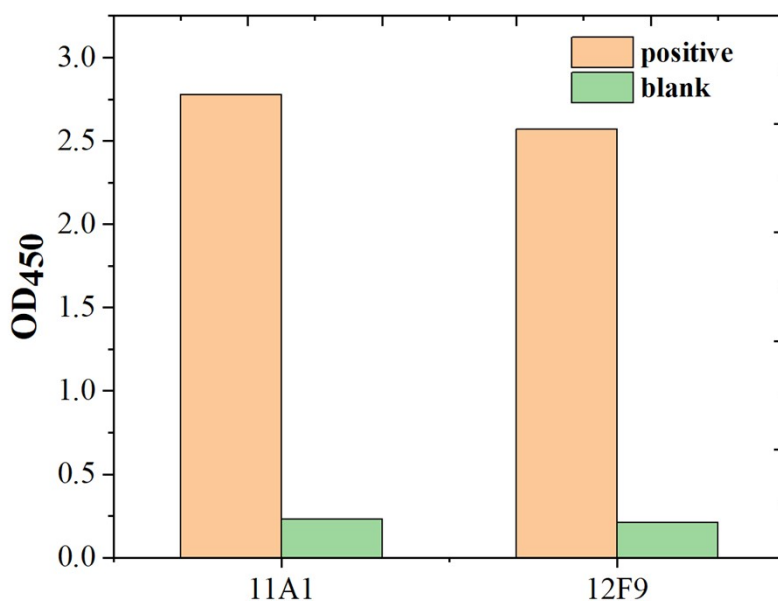


Fig. S2 Antibody pairing 11A1-12F9 and 11A1-10F5.

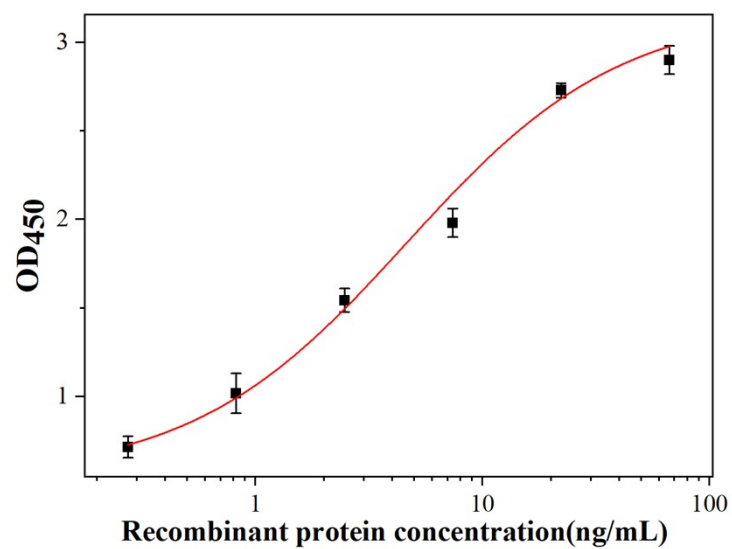


Fig. S3 Double antibody sandwich ELISA.

Table S1 The subtypes of mAbs against Nov-VLP.

mAbs	Isotype	mAbs	Isotype
1E7	IgG1	7A4	IgG2b
2C1	IgG2a	8G7	IgG1
3B1	IgG1	9A12	IgG1
4A10	IgG1	10F5	IgG1
5B4	IgG2b	11A1	IgG2a
6F3	IgG2a	12F9	IgG1

Table S2 P/N value a of different concentrations of capture antibody and detection antibody in sandwich ELISA optimization.

		mAbs 11A1			
Concentration		8 µg/mL	4 µg/mL	2 µg/mL	1 µg/mL
HRP-12F9	4 µg/mL	5.03	3.99	2.95	2.01
	2 µg/mL	6.53	6.12	4.55	2.23
	1 µg/mL	8.11	12.11	9.01	5.42
	0.5 µg/mL	9.11	8.21	7.12	4.15

P/N value was the ratio of OD₄₅₀ value of the positive to the negative control.