

Supplementary Materials

Table S2. Cross-reactivity between SARS-CoV-2 and six other human coronaviruses.

	SARS-CoV-2-S-IgM	SARS-CoV-2-S-IgG	SARS-CoV-2-N-IgM	SARS-CoV-2-N-IgG
SARS-CoV	51.32%	78.25%	89.52%	100.00%
MERS-CoV	25.59%	14.89%	28.23%	26.18%
HCoV-OC43	38.64%	85.79%	3.31%	80.06%
HCoV-HKU1	13.69%	90.49%	14.05%	73.03%
HCoV-229E	8.31%	97.04%	43.80%	96.90%
HCoV-NL63	13.06%	83.83%	30.33%	87.15%

Table S3. Univariate variance analyses of all the general characteristics associated with antibody levels.

(一) Basic characteristics

Variables	F-value	P-value
Gender	3.403	0.066
Age (years)	3.195	0.002
Occupation	2.535	0.040
Highest clinical Severity	13.962	<0.001
Comorbidity	2.852	0.092

(二) Clinical characteristics

Variables	F-value	P-value
Sampling time	9.361	<0.001
Fever	29.287	<0.001
Cough	0.073	0.787
Weakness	2.808	0.095
Muscle pain	5.976	0.015
Diarrhea	0.004	0.951
Dyspnea	0.085	0.771
Oxygen Inhalation treatment degree	8.874	<0.001

Oxyhydrogen atomizer treatment	1.597	0.207
Noninvasive ventilator treatment	20.641	<0.001
Tracheal cannula treatment	2.209	0.138
Tracheotomy treatment	0.133	0.715
ECMO treatment	0.157	0.692
CRRT treatment	1.313	0.253
ICU treatment	8.915	0.003
Anti-infective drugs treatment	2.842	0.093
Vasoactive drug treatment	0.529	0.467
Hormone treatment	34.258	<0.001

Note: The F value is not chi-square value, because we studied the antibody titers that is the numerical data is not the categorical data.

(三) Laboratory test characteristics (continuous variables)

Variables	Correlation coefficient r
Temperature(°C)	0.210**
Respiration(times/min)	0.095
Pulse(times/min)	0.071
Systolic blood pressure (mmHg)	0.058
Diastolic blood pressure (mmHg)	0.036
Mean arterial pressure (mmHg)	0.046
White blood cell count ($\times 10^9$ /L)	0.060
Neutrophil count ($\times 10^9$ /L)	0.184**
Lymphocyte count ($\times 10^9$ /L)	-0.195**
Aspartate aminotransferase (U/ L)	0.028

Note: (a) *Correlation significant at the 0.05 level; **correlation significant at the 0.01. (b) Level bold lettering denotes statistically significant associations.