20200618 nCoV NP Ab pair

* Plate layout:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sample | Capture Ab | Antigen | Antigen amount | Coating buffer | Detection Ab | Detection Ab dilution |
| A1 | 1A7-F6 | nCoV NP | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A2 | 1A7-F8 | nCoV NP | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A3 | 4G12-B12 | nCoV NP | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A4 | 4G12-E4 | nCoV NP | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A5 | - | nCoV NP | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A6 | - | nCoV NP | 100ng | PBS | Anti-NP serum | 1:1000 |
| A7 | - | nCoV NP | 100ng | water | Anti-NP serum | 1:1000 |
| A8 | - | RBD | 100ng | Carbonate buffer | Anti-NP serum | 1:1000 |
| A9 | - | RBD | 100ng | PBS | Anti-NP serum | 1:1000 |
| A10 | - | RBD | 100ng | water | Anti-NP serum | 1:1000 |
| A11 | - | - | - | Carbonate buffer | Anti-NP serum | 1:1000 |
| A12 | - | - | - | PBS | Anti-NP serum | 1:1000 |
| B1 | - | - | - | water | Anti-NP serum | 1:1000 |

* Result:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 0.958 | 0.831 | 0.379 | 0.391 | 3.367 | 3.627 | 3.701 | 3.594 | 3.852 | 3.607 | 0.045 | 0.087 |
| B | 0.074 | 0.008 | 0.005 | 0.008 | 0.003 | 0.002 | 0.002 | 0.002 | 0.007 | 0.01 | 0.006 | 0.005 |
| C | 0.021 | 0.003 | 0.005 | 0.003 | 0.002 | 0.001 | 0.002 | 0.007 | 0.005 | 0.003 | 0.004 | 0.004 |
| D | 0.013 | 0.004 | 0.003 | 0.003 | 0.003 | 0.005 | 0.011 | 0.008 | 0.004 | 0.003 | 0.005 | 0.006 |
| E | 0.01 | 0.004 | 0.006 | 0.012 | 0.017 | 0.004 | 0.002 | 0.002 | 0.003 | 0.006 | 0.008 | 0.008 |
| F | 0.009 | 0.006 | 0.014 | 0.005 | 0.002 | 0.001 | 0.001 | 0.003 | 0.004 | 0.008 | 0.012 | 0.013 |
| G | 0.018 | 0.02 | 0.008 | 0.003 | 0.002 | 0.002 | 0.003 | 0.007 | 0.007 | 0.005 | 0.006 | 0.005 |
| H | 0.019 | 0.007 | 0.004 | 0.003 | 0.004 | 0.003 | 0.008 | 0.005 | 0.001 | 0.002 | 0.002 | 0.003 |