20200715 nCoV NP 6C3-G9 protein A purification pH9.0

* Positive control:

Mouse anti-NP serum 1:1000

* Negative control:

Culture medium

* Plate layout:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A |  |  |  |  |  |  |  |  |  |  |  |  |
| B |  |  |  |  |  |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |  |  |  |  |  |
| D |  |  |  |  |  |  |  |  |  |  |  |  |
| E | 1:3 before purification | 1:3 flow-through | 1:3 washing fraction | 1:100 elution 1 | 1:100 elution 2 | 1:100 elution 3 | 1:100 elution 4 | 1:100 elution 5 | 1:100 elution 6 | 1:100 elution 7 | 1:100 elution 8 | 1:100 elution 9 |
| F | 1:100 elution 10 | pos | neg |  |  |  |  |  |  |  |  |  |
| G |  |  |  |  |  |  |  |  |  |  |  |  |
| H |  |  |  |  |  |  |  |  |  |  |  |  |

* Result:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| <> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 0.002 | 0.002 | 0.005 | 0.003 | 0.007 | 0.005 | 0.003 | 0.008 | 0.009 | 0.009 | 0.011 | 0.015 |
| B | 0.002 | 0.003 | 0.004 | 0.009 | 0.009 | 0.007 | 0.008 | 0.008 | 0.012 | 0.016 | 0.009 | 0.016 |
| C | 0.017 | 0.006 | 0.004 | 0.014 | 0.023 | 0.011 | 0.008 | 0.011 | 0.007 | 0.008 | 0.009 | 0.008 |
| D | 0.012 | 0.011 | 0.014 | 0.016 | 0.013 | 0.011 | 0.013 | 0.025 | 0.022 | 0.016 | 0.012 | 0.015 |
| E | 1.062 | 0.795 | 0.039 | 0.02 | 0.048 | 0.042 | 0.024 | 0.026 | 0.035 | 0.028 | 0.024 | 0.028 |
| F | 0.043 | 3.532 | 0.033 | 0.01 | 0.016 | 0.005 | 0.014 | 0.017 | 0.016 | 0.013 | 0.01 | 0.007 |
| G | 0.016 | 0.015 | 0.018 | 0.011 | 0.008 | 0.009 | 0.008 | 0.014 | 0.01 | 0.005 | 0.008 | 0.004 |
| H | 0.017 | 0.024 | 0.017 | 0.014 | 0.01 | 0.007 | 0.011 | 0.015 | 0.006 | 0.005 | 0.004 | 0.002 |