

## Mouse Pan Influenza A Nucleoprotein Monoclonal Antibody

Pan Influenza A Nucleoprotein Antibody, Mouse Mab

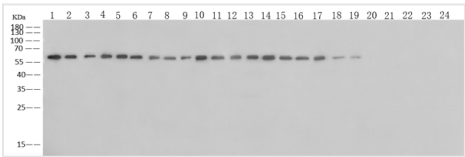
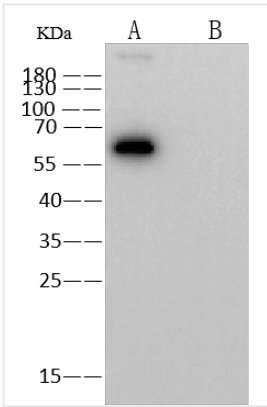
|                               |                      |                                      |                                            |
|-------------------------------|----------------------|--------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA259117</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Pan Influenza A</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|----------------------|--------------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

Pan Influenza A Nucleoprotein; Monoclonal Antibody; Pan Influenza A Nucleoprotein Antibody; Mouse Mab; Anti-NP Antibody; anti-Pan Influenza A Nucleoprotein antibody

### PRODUCT SPECIFICATIONS

|                                                                         |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                                    | Mouse                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                                              | Pan Influenza A                                                                                                                                                                                                                                                                                                                       |
| Clonality                                                               | Monoclonal                                                                                                                                                                                                                                                                                                                            |
| Isotype                                                                 | Mouse IgG1                                                                                                                                                                                                                                                                                                                            |
| Clone Number                                                            | #03                                                                                                                                                                                                                                                                                                                                   |
| Specificity                                                             | Widely recognize Influenza A Nucleoprotein                                                                                                                                                                                                                                                                                            |
| Purity/Purification                                                     | Protein A                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                                             | Liquid; 0.2um filtered solution in 20 mM MES, 150 mM NaCl, 10% Trehalose, 0.02% Tween 80, pH 6.0                                                                                                                                                                                                                                      |
| Applicable Applications for anti-Pan Influenza A Nucleoprotein antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                              |
| Immunogen                                                               | Recombinant Influenza A H3N2 (A/Hong Kong/1/1968) Nucleoprotein/NP Protein                                                                                                                                                                                                                                                            |
| Preparation                                                             | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Influenza A H3N2 (A/Hong Kong/1/1968) Nucleoprotein/NP Protein . The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Preparation and Storage                                                 | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.                                                                 |



**WB (Western Blot)**  
Anti-NP mouse monoclonal antibody at 1:1000 dilution. Sample: Recombinant Protein 10 ng  
Lane 1: H1N1 (A/Brevig Mission/1/1918) NPLane 2: H1N1 (A/Brisbane/02/2018) NPLane 3: H1N1 (A/California/07/2009) NPLane 4: H1N1 (A/Guangdong-Maonan/SWL1536/2019) NPLane 5: H1N1 (A/Hawaii/70/2019) NPLane 6: H1N1 (A/Michigan/45/2015) NPLane 7: H1N1 (A/Puerto Rico/8/34/Mount Sinai) NP (I116M) Lane 8: H1N1 (A/Victoria/2570/2019)/(A/Wisconsin/588/2019) NPLane 9: H2N2 (A/Ann Arbor/6/1960) NPLane 10: H3N2 (A/Aichi/2/1968) NPLane 11: H3N2 (A/Cambodia/e0826360/2020 (H3N2)-like) NPLane 12: H3N2 (A/Hong Kong/1/1968) NPLane 13: H3N2 (A/Hong Kong/2671/2019) NPLane 14: H3N2 (A/Hong Kong/45/2019) NPLane 15: H3N2 (A/Hong Kong/4801/2014) NPLane 16: H3N2 (A/Kansas/14/2017) NPLane 17: H3N2 (A/Switzerland/9715293/2013) NPLane 18: H7N9 (A/Anhui/1-BALF\_RG6/2013) NPLane 19: H7N9 (A/Shanghai/2/2013) NPLane 20: Influenza B (B/Brisbane/60/2008) NPLane 21: Influenza B (B/Colorado/06/2017) NPLane 22: Influenza B (B/Florida/4/2006) NPLane 23: Influenza B (B/Phuket/3073/2013) NPLane 24: Influenza B (B/Washington/02/2019) NP  
SecondaryGoat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution  
Developed using the ECL technique. Performed under reducing conditions.

**WB (Western Blot)**  
Anti-NP mouse monoclonal antibody at 1 ug/mL. Sample: Recombinant Protein 10 ng  
Lane A: H3N2 (A/Darwin/9/2021)/(A/Darwin/6/2021) NP Protein  
Lane B: Influenza B (B/Austria/1359417/2021) NP Protein  
SecondaryGoat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution  
Developed using the ECL technique. Performed under reducing conditions.

ADDITIONAL INFORMATION

Related Product Information for anti-Pan Influenza A Nucleoprotein antibody

Influenza viral nucleoprotein (NP) plays a critical role in virus replication and host adaptation. Nucleoprotein (NP) is an essential multifunctional protein that encapsidates the viral genome and functions as an adapter between the virus and the host cell machinery. NPs contain two nuclear localization signals (NLSs): a well-studied monopartite NLS1 and a less-characterized NLS2, thought to be bipartite. The nucleocapsid is a complex of the viral nucleoprotein, RNA, and several other viral proteins. The nucleoprotein forms large, RNA-bound, helical filaments and acts as a scaffold for additional viral proteins.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.