

Product Datasheet

SARS-CoV-2 Nucleocapsid Antibody (004) **NBP3-12734-100ul**

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-12734-100ul**SARS-CoV-2 Nucleocapsid Antibody (004)**

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	004
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	0.2 um filtered solution in PBS
Product Description	
Description	This antibody can be stored at 2-8C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20C to -80C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Gene ID	43740575
Gene Symbol	N
Species	SARS-CoV
Reactivity Notes	Has cross-reactivity in ELISA and WB with: SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein No cross-reactivity in ELISA with: MERS-CoV Nucleoprotein protein HCoV-229E Nucleoprotein protein HCoV-NL63 Nucleoprotein protein HCoV-HKU1(isolate N5) Nucleoprotein protein HCoV-OC43 Nucleoprotein



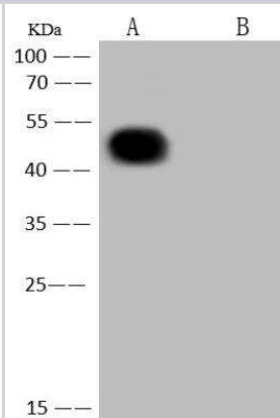
Specificity/Sensitivity	Has cross-reactivity in ELISA and WB with: SARS-CoV-2 Nucleocapsid Protein Has cross-reactivity in ELISA with: SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid Protein SARS-CoV-2 Nucleocapsid Protein SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(R203K, G204R) Protein SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(I292T) Protein SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(D3L, R203K, G204R, S235F) Protein SARS-CoV-2 Alpha(B.1.1.7) Nucleocapsid(D3L, S235F) Protein SARS-CoV-2 Alpha(B.1.1.7/ B.1.237) Nucleocapsid(S194L) Protein SARS-CoV-2 Alpha/beta(B.1.1.7/ B.1.351/ A.2.2) Nucleocapsid(P13L) Protein SARS-CoV-2 Beta(B.1.351/B.1.351.2/b.1.351.3/B.1.427/B.1.429) Nucleocapsid (T205I) Protein SARS-CoV-2 Gamma(P.1/ P.1.1/ P.1.2) Nucleocapsid (P80R) Protein SARS-CoV-2 Eta(B.1.525) Nucleocapsid (A12G, T205I) Protein SARS-CoV-2 (B.1.617) Nucleocapsid (D377Y) Protein SARS-CoV-2 (B.1.617) Nucleocapsid (R203M, D377Y) Protein SARS-CoV-2 Delta(B.1.617.2) Nucleocapsid (D63G, R203M, D377Y) Protein SARS-CoV-2 (B.1.617.3) Nucleocapsid (P67S, R203M, D377Y) Protein No cross-reactivity in ELISA with: MERS-CoV Nucleocapsid protein HCoV-229E Nucleocapsid protein HCoV-NL63 Nucleocapsid protein HCoV-HKU1(isolate N5) Nucleocapsid protein HCoV-OC43 Nucleocapsid protein
Immunogen	Recombinant SARS-CoV-2 Nucleocapsid Protein

Product Application Details

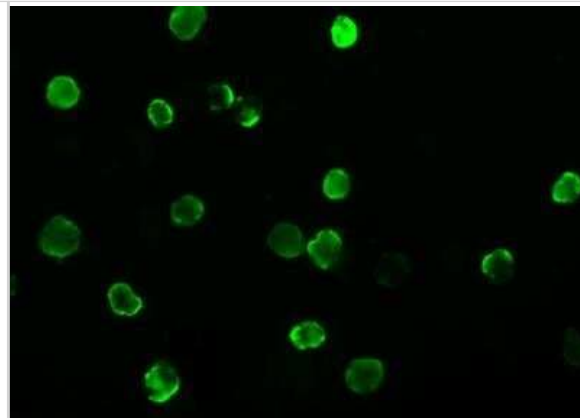
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:10000, Flow Cytometry 1:25-1:100, ELISA 1:5000-1:10000, Immunocytochemistry/Immunofluorescence 1:20-1:100, Immunohistochemistry-Paraffin 1:100-1:500
Application Notes	Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.

Images

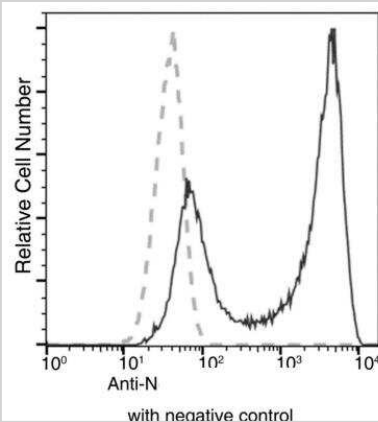
Western Blot: SARS-CoV-2 Nucleocapsid Antibody (004) [NBP3-12734]
- Lane A: SARS-COV-2 Nucleocapsid overexpressed HEK293 Whole Cell Lysate Lane B: HEK293 Whole Cell Lysate Lysates/proteins at 10 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing condition



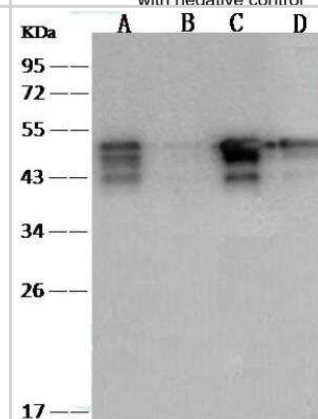
Immunocytochemistry/Immunofluorescence: SARS-CoV-2 Nucleocapsid Antibody (004) [NBP3-12734] - Analysis of Nucleocapsid overexpressed Hek293 Cells were stained with purified anti-SARS Nucleocapsid Rabbit Mab, then a AlexaFluor®488-conjugated second step antibody.



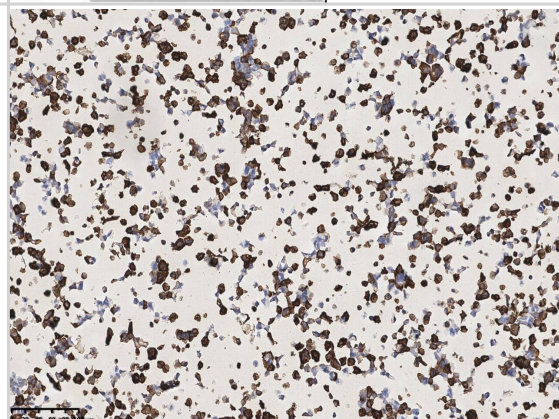
Flow Cytometry: SARS-CoV-2 Nucleocapsid Antibody (004) [NBP3-12734] - Analysis of SARS-COV-2 Nucleocapsid overexpressed HEK293 Cells were stained with purified anti-SARS-COV-2 Nucleocapsid rabbit MAb, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Western Blot: SARS-CoV-2 Nucleocapsid Antibody (004) [NBP3-12734] - Anti-SARS-NP rabbit monoclonal antibody at 1:1000 dilution. Lane A: SARS-CoV NP Protein Lane B: SARS-CoV NP Protein Lane C: SARS-CoV-2 (2019-nCoV) NP Protein Lane D: SARS-CoV-2 (2019-nCoV) NP Protein Secondary Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions.



Immunochemical analysis of SARS-CoV-2 Nucleocapsid overexpressed Hek293 Cells stained with NBP3-12734, then a HRP-conjugated secondary antibody.





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Products Related to NBP3-12734-100ul

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-90975	Recombinant SARS-CoV-2 Nucleocapsid His (C-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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