

Product Datasheet

SARS-CoV-2 Nucleocapsid Antibody (84C4a) NBP3-07041

Unit Size: 0.05 mg

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

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Updated 10/23/2025 v.20.1

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NBP3-07041**SARS-CoV-2 Nucleocapsid Antibody (84C4a)**

Product Information	
Unit Size	0.05 mg
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	84C4a
Preservative	0.02% Sodium Azide
Isotype	IgG Kappa
Purity	Peptide affinity purified
Buffer	PBS, 0.1% BSA, 50% Glycerol

Product Description	
Description	Novus Biologicals Rabbit SARS-CoV-2 Nucleocapsid Antibody (84C4a) (NBP3-07041) is a recombinant monoclonal antibody validated for use in ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	43740575
Gene Symbol	N
Species	SARS-CoV-2
Reactivity Notes	Highly-specific to SARS-CoV-2 nucleoprotein; does not cross-react with nucleoprotein from SARS-CoV or other coronaviruses
Immunogen	SARS-CoV-2 nucleoprotein (NP) specific peptide

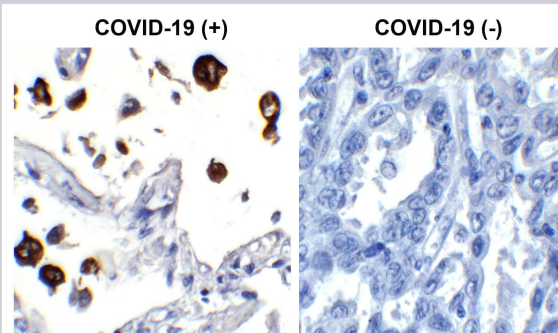
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry
Application Notes	Used for specific, high-sensitivity detection of SARS-CoV-2 nucleocapsid protein (NP).



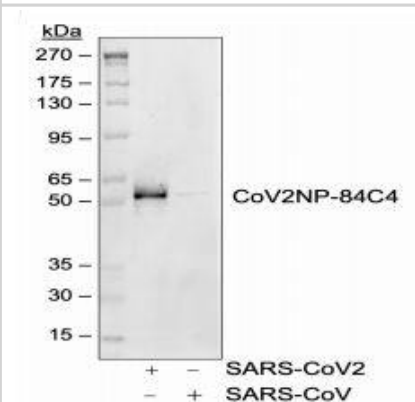
Images

Immunohistochemistry: SARS-CoV-2 Nucleocapsid Antibody (84C4a) [NBP3-07041] - Immunohistochemistry Validation of SARS-CoV-2 (COVID-19) Nucleocapsid in COVID-19 Patient Lung

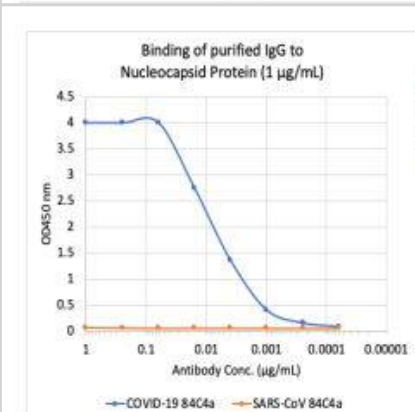
Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 (COVID-19) Nucleocapsid antibody (5 ng/mL). Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin. Strong signal of SARS-CoV-2 Nucleocapsid protein was observed in the macrophages of COVID-19 patient lung, but not in non-COVID-19 patient lung.



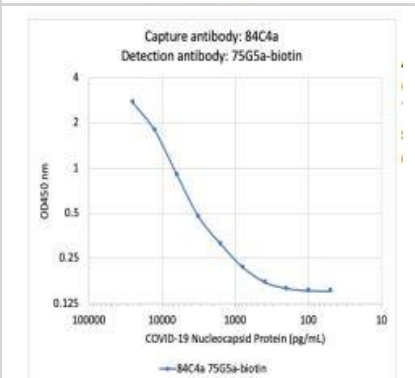
Western Blot: SARS-CoV-2 Nucleocapsid Antibody (84C4a) [NBP3-07041] - Western blot analysis of SARS-CoV2 and SARS-CoV nucleocapsid protein (50 ng) probed with 1 ug/mL CoV2NP rabbit monoclonal antibody (84C4a), CoV2NP-84C4.



ELISA: SARS-CoV-2 Nucleocapsid Antibody (84C4a) [NBP3-07041] - Microtiter wells were coated with SARS-CoV-2 (COVID-19) Nucleocapsid Protein (NP) and SARS-CoV NP at 1 ug/mL. Purified rabbit monoclonal antibody 84C4a was serially diluted 1:2 starting at 1 ug/mL, and shows very strong and specific binding to COVID-19 NP antigen, with no significant cross-reactivity to SARS-CoV NP antigen.



ELISA: SARS-CoV-2 Nucleocapsid Antibody (84C4a) [NBP3-07041] - A sandwich ELISA was performed using SARS-CoV-2 (COVID-19) Nucleocapsid Protein (NP) specific rabbit monoclonal antibodies: 84C4a as a capture antibody and 75G5a-biotin as a detection antibody. COVID-19 NP was serially diluted 1:2 starting at 25 ng/mL. Rabbit monoclonal antibodies 84C4a and 75G5a-biotin detected COVID-19 NP antigen at very high sensitivity as low as 49 pg/mL (4.9 pg).





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Products Related to NBP3-07041

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-90975	Recombinant SARS-CoV-2 Nucleocapsid His (C-Term) Protein
NBP3-49916	SARS-CoV-2 SARS-CoV-2 Nucleocapsid ELISA Kit (Colorimetric)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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