

Product Datasheet

SARS-CoV-2 Nucleocapsid Antibody (3866) - BSA Free NBP3-07069

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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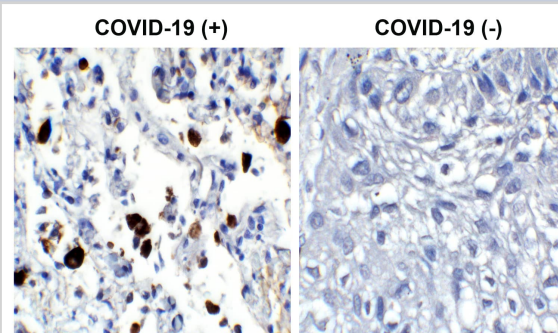


NBP3-07069**SARS-CoV-2 Nucleocapsid Antibody (3866) - BSA Free**

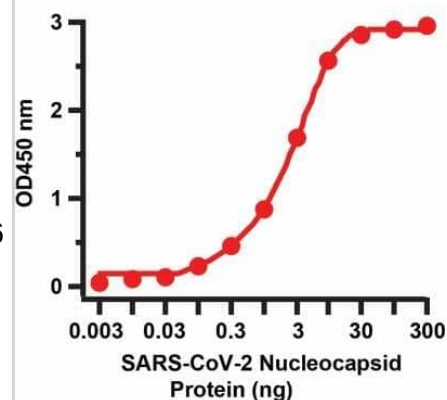
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3866
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	0.01M PBS (pH 7.2)
Product Description	
Description	This antibody is purified from ascites fluid or culture medium by protein A chromatography or sequential differential precipitations.
Host	Mouse
Gene ID	43740575
Gene Symbol	N
Species	SARS-CoV-2
Specificity/Sensitivity	Specific for the nucleocapsid of Covid-19 virus. Cross reacts with SARS. These antibodies are non-reactive with: Influenza A, Influenza B, Adenovirus and MERS.
Immunogen	This antibody was developed using a recombinant, full-length nucleoprotein.
Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	ELISA 1:20-1:200, Immunocytochemistry/ Immunofluorescence 1:10-1:50
Application Notes	Sandwich ELISAs for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 5ug/ml) as capture antibody, a nucleocapsid recombinant protein as the binding protein, and an anti-SARS-CoV-2 Nucleocapsid antibody (1ug/ml) as the detection antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 6.9 ng. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.36 ng. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 2ug/ml) as capture antibody, a nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07071, 0.1ug/ml) as the detection antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 6.9 ng.

Images

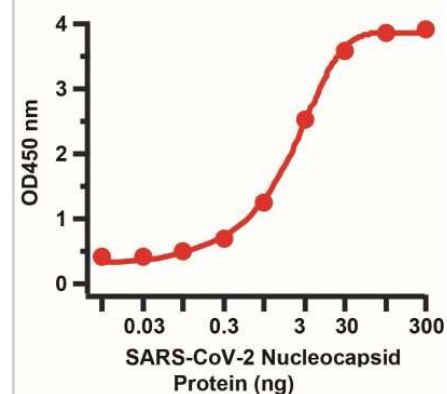
Immunohistochemistry: SARS-CoV-2 Nucleocapsid Antibody (3866) - BSA Free [NBP3-07069] - Validation of SARS-CoV-2 (COVID-19) Nucleocapsid in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 (COVID-19) Nucleocapsid antibody (1 ug/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.



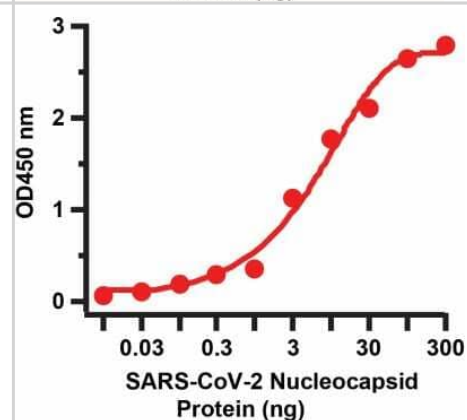
ELISA: SARS-CoV-2 Nucleocapsid Antibody (3866) [NBP3-07069] - Sandwich ELISA for SARS-CoV-2 Nucleocapsid Matched Pair Antibodies. A sandwich ELISA was performed using SARS-CoV-2 Nucleocapsid antibody (NBP3-07072, 5ug/ml) as capture antibody, a nucleocapsid recombinant protein as the binding protein, and the anti-SARS-CoV-2 Nucleocapsid antibody (NBP3-07069, 1ug/ml) as the detection antibody. Secondary: Goat anti-mouse IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.03 ng to 300 ng. EC50 = 2.36 ng



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Products Related to NBP3-07069

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
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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