

Product Datasheet

SARS-CoV-2 Membrane Protein Antibody - BSA Free NBP3-07058

Unit Size: 0.1 mg

Store at 4C.

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NBP3-07058**SARS-CoV-2 Membrane Protein Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS

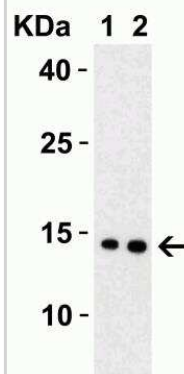
Product Description	
Description	Novus Biologicals Rabbit SARS-CoV-2 Membrane Protein Antibody - BSA Free (NBP3-07058) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-SARS-CoV-2 Membrane Protein Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	43740571
Gene Symbol	M
Species	SARS-CoV-2
Immunogen	This antibody was raised against a peptide corresponding to 13 amino acids near the center of SARS-CoV-2 (COVID-19) Membrane protein. The immunogen is located between 130-180 amino acids of the SARS-CoV-2 (COVID-19) Membrane protein.

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 0.25 ug/ml, ELISA 1 ug/mL, Immunohistochemistry 0.5 ug/ml

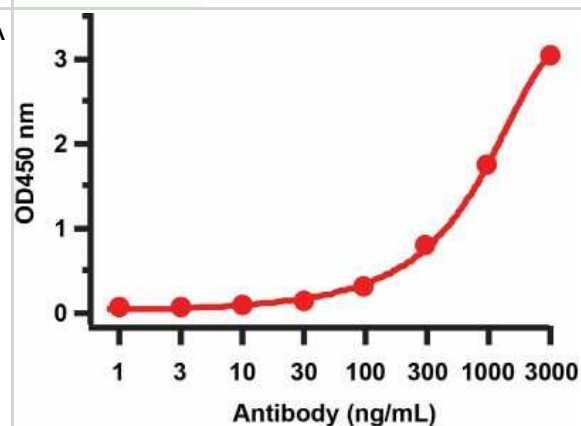


Images

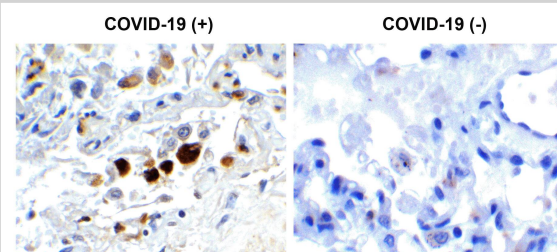
Western Blot: SARS-CoV-2 Membrane Protein Antibody [NBP3-07058] - Western Blot Validation with SARS-CoV-2 Membrane Protein. Loading: 30 ng per lane of SARS-CoV-2 Membrane Protein. Antibodies: SARS-CoV-2 Membrane Protein, 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 0.25 ug/ml and Lane 2: 0.5 ug/ml



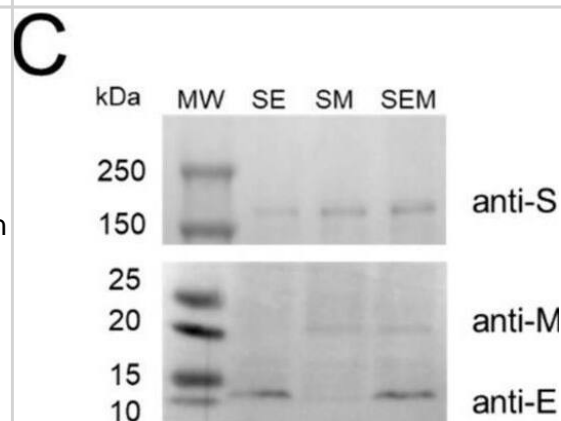
ELISA: SARS-CoV-2 Membrane Protein Antibody [NBP3-07058] - ELISA Validation with SARS-CoV-2 Membrane Protein Protein . Antibodies: SARS-CoV-2 Membrane Protein Antibody, NBP3-07058. A direct ELISA was performed using SARS-CoV-2 membrane recombinant protein as coating antigen and the anti-SARS-CoV-2 Membrane Protein antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 1 ng/mL to 3000 ng/ml



Immunohistochemistry: SARS-CoV-2 Membrane Protein Antibody - BSA Free [NBP3-07058] - Validation of SARS-CoV-2 (COVID-19) Membrane in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 (COVID-19) Membrane antibody (, 0.5 u/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 Membrane protein was observed in macrophage of COVID-19 patient lung, but not in non-COVID-19 patient lung.



Characterizing the effects of SARS-CoV-2 structural proteins on VLP formation and spike yield. (A) Schematic of the recombinant baculovirus vectors used to produce SE, SM, and SEM SARS-CoV-2 VLPs in Sf9 cells. (B) Transmission electron microscopy (TEM) images showing anti-S immunogold-labeled VLPs. (C) Western blot analyses of SARS-CoV-2 proteins in VLPs. Quantification of (D) VLP spike yield and (E) cellular S protein expression level based on Western blot analyses. (F) % S protein incorporated in VLPs. For (D–F), data represent mean \pm SE (n = 3, unpaired Student's t test, all p > 0.05, not significant). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37834067>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Andrew J Zak, Trang Hoang, Christine M Yee, Syed M Rizvi, Ponnandy Prabhu, Fei Wen Pseudotyping Improves the Yield of Functional SARS-CoV-2 Virus-like Particles (VLPs) as Tools for Vaccine and Therapeutic Development. International journal of molecular sciences 2023-10-23 [PMID: 37834067]



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Products Related to NBP3-07058

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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