

Mouse COVID 19 Nucleocapsid (NP) Coronavirus Monoclonal Antibody | anti-COVID-19 antibody

Monoclonal Antibody to SARS-CoV-2 Nucleocapsid (Clone: ABM3F2.1C1)

CATALOG # AAA78538	HOST Mouse	APPLICATIONS Western Blot, ELISA
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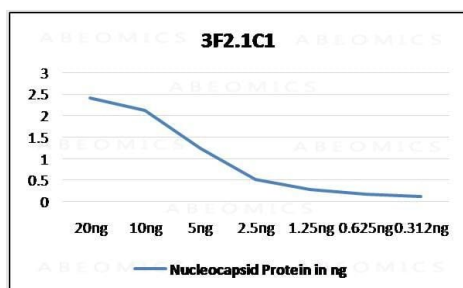
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Monoclonal Antibody; Monoclonal Antibody to SARS-CoV-2 Nucleocapsid (Clone: ABM3F2.1C1); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

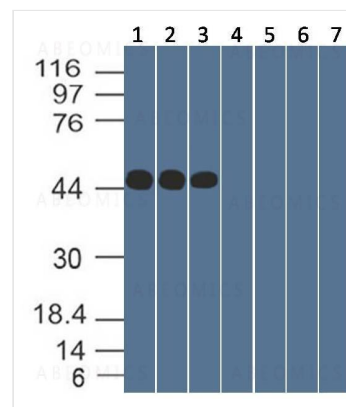
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Number	ABM3F2.1C1
Form/Format	25ug in 50ul/100ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-COVID-19 antibody	WB (Western Blot), ELISA
Immunogen	Full length recombinant SARS-CoV-2 nucleocapsid protein was used as the immunogen for this antibody.
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



ELISA

Figure-2: An indirect ELISA is carried out by coating nucleocapsid protein in serial dilution from 20 ng to 0.312 ng and using 100 ng of purified monoclonal antibodies 3F2.1C1. Peroxidase conjugated Goat-Anti mouse antibody was used at 1:5000 dilution.



WB (Western Blot)

Figure-1: Western Blot analysis: The purified antibodies 3F2.1C1 was tested on Nucleocapsid Recombinant protein at different concentrations, 0.1 (lane 1), 0.5 (lane 2), and 1.0ug/ml (lane 3), (4) RBD protein, (5) unrelated protein 1, (6) unrelated protein 2, (7) unrelated protein 3, to detect the specific binding. 25 ng of proteins was loaded per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	The structural nucleocapsid (N) protein of nCoV/SARS-CoV-2/COVID-19 is a predicted 46 kDa phosphoprotein having 419 amino acid residues. A short Serine rich stretch and a recognized nuclear localization signal are the unique features of the nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19, which seems to have a little homology with the proteins of other members of this large corona virus family. These features also suggest the involvement of nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 in different stages of viral lifecycle. The protein has multifaceted activities including packing of the nCoV/SARS-CoV-2/COVID-19 viral genome into a helical ribonucleocapsid (RNP) and playing an important role in viral self-assembly causing nCoV/SARS-CoV-2/COVID-19. The nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 also forms dimer in the cell by self-association with the help of interactive C terminal domain.
Product Categories/Family for anti-COVID-19 antibody	Antibodies; Infectious Diseases

NCBI AND UNIPROT INFORMATION

NCBI GeneID	43740575
UniProt Accession #	P0DTC9

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/covid-19-nucleocapsid-np-coronavirus-antibody-clone-abm3f2-1c1-western-blot-elisa/78538>