

## SARS-CoV-2-NP3 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2747
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of SARS-CoV-2-N (AA: 240-419) expressed in E. Coli.
<b>Mol wt</b>	23.7kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	Others
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The nucleocapsid phosphoprotein is a structural protein that binds to, protects the viral RNA genome and is involved in packaging the RNA into virus particles. The N protein has been suggested as an antiviral drug target.

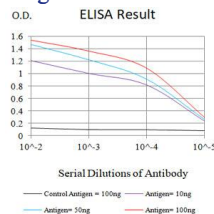
### Recommended Dilution

WB: 1:500 - 1:2000

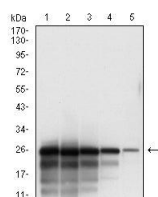
ELISA: 1:10000

Not yet tested in other applications.

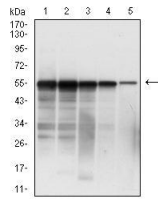
### Images



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using SARS-CoV-2-NP3 mAb against human SARS-CoV-2-N (AA: 240-419) recombinant protein. lane 1 :(100 ng); lane 2 :(50 ng); lane 3 :(25 ng); lane 4 :(10 ng); lane 5 :(2.5 ng); (Expected MW is 23.7 kDa)



Western blot analysis using SARS-CoV-2-NP3 mAb against human SARS-CoV-2-N (AA: 1-419) recombinant protein. lane 1 :(100 ng); lane 2 :(50 ng); lane 3 :(25 ng); lane 4 :(10 ng); lane 5 :(2.5 ng); (Expected MW is 49.2 kDa)

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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