

## SARS-CoV-2 Nucleocapsid Protein Antibody

Catalogue No.: abx024239

Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2/COVID-19) Nucleocapsid Protein (NP) Antibody is a Mouse Monoclonal Antibody against SARS-CoV-2/COVID-19 NP.

The SARS-CoV-2 Nucleoprotein (also known as Nucleocapsid Protein or N Protein) is a protein that binds to the RNA in the viral particle. Changes to two amino acids in the nucleoprotein are thought to contribute to the virus' ability to infect humans; this mutation allows the virus to reduce the binding capability of an HLA-C allele found in many Europeans. The nucleoprotein is the second most-common protein in SARS-CoV-2 targeted by the immune system, after the spike protein.

It is recommended to use abx024239 (this antibody) as the capture antibody and [abx024238](#) as the detection antibody.

<b>Target:</b>	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Nucleocapsid Protein
<b>Clonality:</b>	Monoclonal
<b>Clone:</b>	M809
<b>Reactivity:</b>	Virus
<b>Tested Applications:</b>	ELISA, WB, LF
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant SARS-CoV-2 Nucleocapsid Protein
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purity:</b>	> 95% (SDS-PAGE)
<b>Purification:</b>	Purified by Protein A affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
<b>Buffer:</b>	PBS, pH 7.4, 0.05% NaN <sub>3</sub> .

# Datasheet

Version: 5.0.0

Revision date: 29 Apr 2025



<b>Specificity:</b>	Specific for SARS-CoV-2 Nucleocapsid Protein. Does not cross-react with MERS-CoV, Human CoV (NL63, 229E, OC43), Human Adenovirus (type 1, 3, 5, 7, 8, 11, 18, 23), Human Parainfluenza Virus (type 1, 2, 3, 4), Human Rhinovirus (type 1, 14, 42), Human Metapneumovirus, Respiratory Syncytial Virus A or Respiratory Syncytial Virus B. Cross-reacts with SARS-CoV (SARS 2003).
<b>Concentration:</b>	3.13 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
<b>Directions for use:</b>	Centrifuge before opening to ensure complete recovery of vial contents.

For Reference Only