

## Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody

catalog number: E-AB-V1342

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

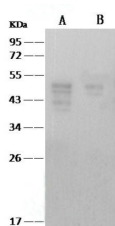
### Description

<b>Reactivity</b>	SARS
<b>Immunogen</b>	Recombinant SARS-CoV Nucleoprotein/NP Protein (His Tag)
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	08
<b>Purification</b>	Protein A Affinity
<b>Buffer</b>	0.2 µm filtered solution in PBS.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:1000-1:5000
<b>ELISA</b>	1:5000-1:10000

### Data



Western Blot analysis of Recombinant SARS-CoV Nucleoprotein/NP Protein (PKSV030248 with 50ng and 15ng) using Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody at dilution of 1:2000.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

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