

# Anti-MERS-CoV Nucleocapsid Monoclonal Antibody

Catalog Number:E-AB-V1281



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

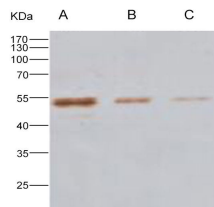
## Description

<b>Reactivity</b>	MERS-CoV
<b>Immunogen</b>	Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	10
<b>Purification</b>	Protein A Affinity
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	0.2 µm filtered solution in PBS

## Applications Recommended Dilution

<b>WB</b>	1:1000-1:5000
-----------	---------------

## Data



Western Blot analysis of Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)(PKSV030235 with 20ng, 5ng and 2ng ) using Anti-MERS-CoV Nucleocapsid Monoclonal Antibody at dilution of 1:1000.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017