

## Anti-MERS-CoV Nucleoprotein/NP Polyclonal Antibody

**catalog number: E-AB-V1284**

**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>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Protein A Affinity
<b>Buffer</b>	0.2 µm filtered solution in PBS.

### Applications Recommended Dilution

<b>ELISA</b>	1:1000-1:2000
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### 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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