Anti-MERS-CoV Nucleoprotein/NP Polyclonal Antibody

Catalog Number:E-AB-V1284

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

Description

Reactivity	MERS-CoV
Immunogen	Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)
Host	Rabbit
Isotype	IgG
Purification	Protein A Affinity
Conjugation	Unconjugated
Formulation	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
ELISA	1:1000-1:2000

Preparation & Storage

Storage	Store at -20℃. 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.

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