Anti-MERS-CoV Nucleocapsid Monoclonal Antibody

catalog number: **E-AB-V1281**

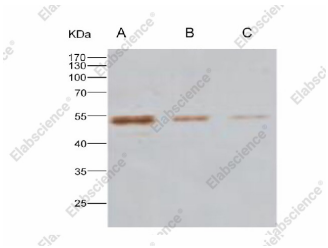
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	MERS-CoV
Immunogen	Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)
Host	Mouse
Isotype	Mouse IgG1
Clone	10
Purification	Protein A Affinity
Buffer	0.2 μm filtered solution in PBS.

Applications	Recommended Dilution
WB	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 Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	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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