

Anti-MERS-CoV Nucleocapsid Monoclonal Antibody

E-AB-V1281

Application	WB,ELISA	Host	Mouse
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Clone No.	10

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

Product Details

Immunogen	Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag)
Isotype	IgG1
Host	Mouse
Clone No.	10
Reactivity	MERS-CoV
Dilution	WB 1:1000-1:5000
Storage Buffer	0.2 µm filtered solution in PBS
Stability & Storage	Ships on ice packs. Store at -20°C
Description	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified Recombinant MERS-CoV Nucleoprotein / NP protein (His Tag). And the antibody was purified by Protein A affin

Antigen Infomation

Alternate Names coronavirus NP,coronavirus Nucleocapsid,coronavirus Nucleoprotein,cov np,ncov NP,novel coronavirus Nucleoprotein,NP,Nucleocapsid,Nucleoprotein

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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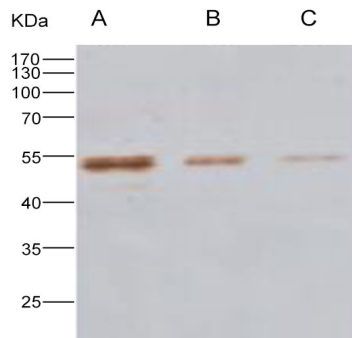
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Applications:Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

Images



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.

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