

Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody

E-AB-V1342

Application	WB,ELISA	Host	Mouse
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Clone No.	08

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

Product Details

Immunogen	Recombinant SARS-CoV Nucleoprotein/NP Protein (His Tag)
Isotype	IgG1
Host	Mouse
Clone No.	08
Reactivity	SARS
Dilution	WB 1:1000-1:5000 ELISA 1:5000-1:10000
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 SARS-CoV Nucleoprotein / NP Protein (His Tag). The IgG fraction of the cell culture supernatant

Antigen Information

Alternate Names coronavirus NP, coronavirus Nucleocapsid, coronavirus Nucleoprotein, cov np, nCoV NP, novel coronavirus NP, novel coronavirus Nucleocapsid, 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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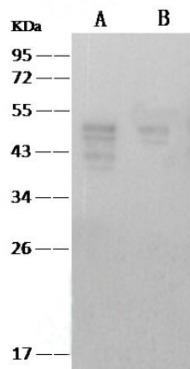
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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

Images



Western Blot analysis of Recombinant SARS-CoV Nucleoprotein/NP Protein(PKSV030248 with 50ng and 15ng) using Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody at dilution of 1:2000.

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