SunLong Biotech Co.,LTD
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Mouse Anti-SARS-CoV-2 (2019-nCoV) Nucleocapsid antibody

SLM-41517M

Product Name	SARS-CoV-2 (2019-nCoV) Nucleocapsid
Chinese Name	SARS 冠状病毒 2 核衣壳蛋白单克隆抗体
Alias	SARS-CoV-2 Nucleocapsid Protein; SARS-CoV-2 NP; nucleocapsid protein [Severe acute respiratory syndrome coronavirus 2]; novel coronavirus N Protein; novel coronavirus Nucleocapsid Protein; 2019-nCoV Nucleoprotein; 2019-nCoV N; 2019nCoV N; 2019-nCoV N Protein; 2019 ncov N Protein; 2019-nCoV nucleocapsid protein.
Research Area	Bacteria and viruses
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	2B9
React Species	SARS-CoV-2
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	46kDa
Form	Liquid
Concentration	≥1mg/ml
immunogen	Recombinant SARS-CoV-2 Nucleocapsid Protei
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	SARS-CoV-21M TBS(pH7.4) with 1% BSA, SARS-CoV-23% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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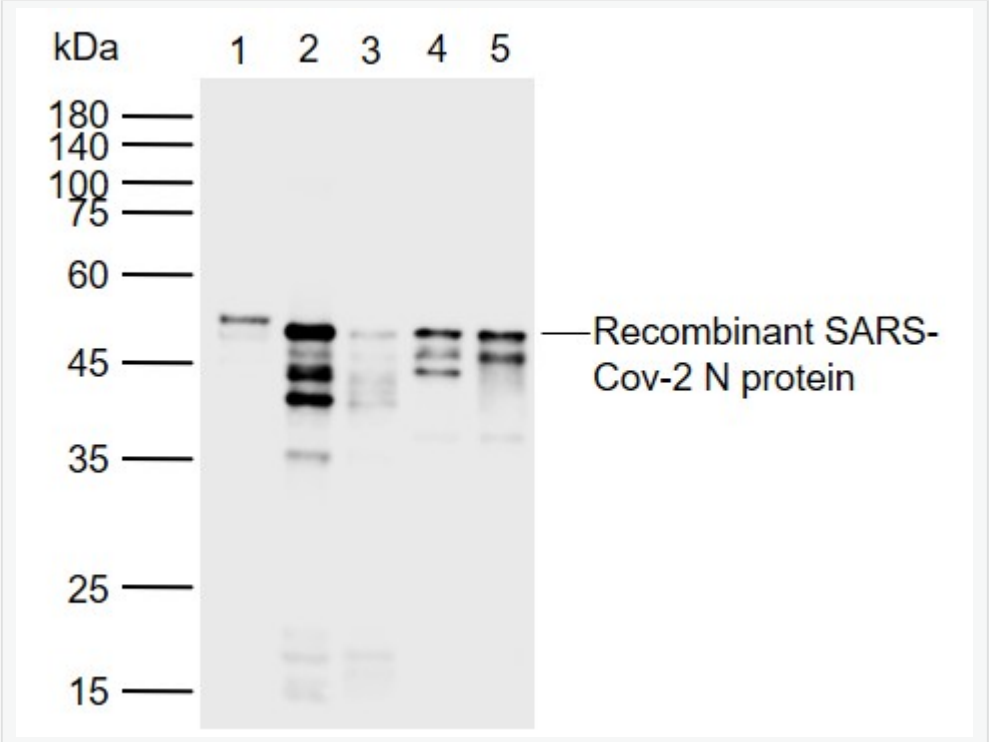
Product Detail

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.

SWISS:
P0DTC9

Gene ID:
43740575

Product Picture



Sample:

Lane 1: Recombinant SARS-CoV-2 N protein (WT) (His Tag)

(SL41408P)

Lane 2: Recombinant SARS-CoV-2 N protein (Q9H, P67S, P80R, P151L, S183Y) (His Tag) (SL41451P)

Lane 3: Recombinant SARS-CoV-2 N protein (D3L, P13T, D103Y, D128Y, H145Y, R203K, G204R, T205I, S235F) (His Tag) (SL41452P)

Lane 4: Recombinant SARS-CoV-2 N protein (Del204, Del215) (His Tag) (SL41491P)

Lane 5: Recombinant SARS-Cov-2 N protein (R203M, D377Y) (His Tag) (SL41492P)

Primary: Anti-SARS-CoV-2(2019-nCoV)Nucleocapsid(SLM-41517M) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 46 kDa

Observed band size: 50 kDa