



Catalog Number: MA82272HU

Species: Human

Size: 100 µg

Instruction manual

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

Mouse anti-Human Novel Coronavirus Nucleoprotein (N) Monoclonal antibody

This package insert must be read in its entirety before using this product.

If You Have Problems

Our expert Technical Support Staff is available to assist you in answering your questions and resolving issues to ensure complete customer satisfaction.

Please Contact Us

Tel: (86)-27-65523378

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In order to obtain higher efficiency service, please ready to supply the lot number of the kit to us (found on the outside of the box).

【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.

【GENE NAME SYNONYM】

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.

【SOURCE】

Mouse

【FORM】

Liquid

【SIZE】

0.1 mL

【CONCENTRATION】

1 mg/mL

0.01M PBS (pH 7.4) with 0.1% Proclin 300.

【IMMUNOGEN】

Recombinant SARS-CoV-2 Nucleocapsid Protein.

【PURIFICATION】

Mouse Monoclonal IgG2b, the antibody was affinity-purified from mouse antiserum by Protein G.

【SPECIFICITY】

Reacts with: Human.

【PREDICTED MOLECULAR MASS】

Predicted MW: 46 kDa

【TESTED APPLICATIONS】

ELISA=1:5000-10000 WB=1:500-2000

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

【STORAGE】

Shipped at 2-8°C, Store it under sterile conditions at -20°C to -80°C upon receiving. ****Avoid repeated freeze-thaw cycles.****

【STABILITY】

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M

Tris-Glycine or diluent of antibody the antibody is stable for at least two weeks at 2-8°C.

【PRECAUTIONS】

This product is for research use only, not for diagnostic or therapeutic use.