

Product Datasheet

Name: Mouse Anti-SARS-CoV-2 N protein Monoclonal Antibody

Description: Anti-SARS-CoV-2 Nucleocapsid Antibody (bsm-41503M) 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-2 Nucleocapsid protein.

| Catalog No. | Isotype | Clone No. | Usage | Buffer |
|-------------|---------|-----------|--------------------|------------------|
| bsm-41503M | IgG1 | 6B2 | Capture /Detection | 10mM PBS (pH7.4) |

Specificity: Mab react with recombinant antigen SARS-CoV-2 N protein

Host: Mouse

Clonality: Monoclonal

Format: Liquid

Concentration: ≥1 mg/ml

Purification: ≥90% (SDS-PAGE)

Preservative: 0.1% Proclin300

Application: Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

Storage: Store at -20 °C for three years. Avoid repeated freeze/thaw cycles.

Background: 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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