

Product Datasheet

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

Description: Hybridoma clones have been derived from hybridization of myeloma cells with spleen cells of BALB/c mouse immunized with recombinant SARS-CoV-2 N protein.

Catalog No.	Isotype	Clone No.	Usage	Buffer
bsm-41412M	IgG2b	7A7	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.

Note: *This product as supplied is intended for research or further manufacturing use only.*