

## 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-41415M	IgG2b	14B2D	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.*