

Product Datasheet

Name: Mouse Anti-SARS N (nucleocapsid) Monoclonal Antibody

Description: Hybridoma clones have been derived from hybridization of myeloma cells with spleen cells of BALB/c mouse immunized with recombinant SARS N (nucleocapsid).

Catalog No.	Isotype	Clone No.	Usage	Buffer
bsm-49133M	IgG2b	5C6C	Capture /Detection	10mM PBS (pH7.4)

Specificity: Mab react with recombinant antigen SARS N (nucleocapsid)

Host: Mouse

Clonality: Monoclonal

Format: Liquid

Concentration: ≥ 1 mg/ml

Purification: $\geq 90\%$ (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: The nucleocapsid (N) protein of SARS-coronavirus (SARS-CoV) is the key protein for the formation of the helical nucleocapsid during virion assembly. The nucleocapsid (N) protein of SARS-CoV enters the host cell together with the viral RNA and interferes with several cellular processes. Some of these processes involve interactions between SARS-CoV N protein and host-cell proteins. It has also been demonstrated that the SARS-CoV N protein can bind to DNA in vitro. These interactions might have a role in the pathology of SARS. The N protein may be of potential value in vaccine development for specific prophylaxis and treatment against SARS.

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