bsm-41512M **[Primary Antibody]**

SARS-CoV-2 (2019-nCoV) Nucleocapsid Mouse mAb

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DATASHEET

Host: Mouse **Isotype:** IgG1, Kappa

Clonality: Monoclonal

Target: SARS-CoV-2 (2019-nCoV) Nucleocapsid

Purification: affinity purified by Protein A

Concentration: 1mg/ml

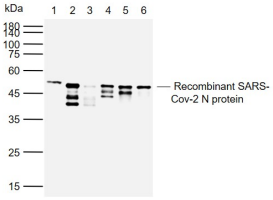
Storage: 0.2μm filtered solution of PBS (pH7.4). Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.

Applications: **WB** (1:500-2000)

Reactivity: SARS-CoV-2

VALIDATION IMAGES



Sample: Lane 1: Recombinant SARS-CoV-2 N protein (WT) (His Tag) (bs-41408P) Lane 2: Recombinant SARS-CoV-2 N protein (Q9H, P67S, P80R, P151L, S183Y) (His Tag) (bs-41451P) Lane 3: Recombinant SARS-CoV-2 N protein (D3L, P13T, D103Y, D128Y, H145Y, R203K, G204R, T205I, S235F) (His Tag) (bs-41452P) Lane 4: Recombinant SARS-CoV-2 N protein (Del204, Del215) (His Tag) (bs-41491P) Lane 5: Recombinant SARS-Cov-2 N protein (R203M, D377Y) (His Tag) (bs-41492P) Lane 6: Recombinant SARS-Cov-2 (Omicron, B.1.1.529) N protein (P13L, E31del, R32del, S33del, R203K, G204R) (N-His Tag) (bs-41494P) Primary: Anti-SARS-CoV-2(2019-nCoV)Nucleocapsid(bsm-41512M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size:46 kDa Observed band size: 50 kDa