bsm-41476M

[Primary Antibody]

Bioss ANTIBODIES

SARS-CoV-2 (2019-nCoV) Spike S1 Mouse mAb

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DATASHEET

Host: Mouse Isotype: |gG1
Clonality: Monoclonal CloneNo.: 3C7

Target: SARS-CoV-2 (2019-nCoV) Spike S1

Immunogen: Recombinant SARS-CoV-2 Spike S1 Protein: 14-685/1273.

Purification: affinity purified by Protein A

Concentration: Lot Dependent **Storage:** Size: 100ug

0.01M PBS (pH7.4). Size : 200ug (PBS only)

0.01M PBS

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

Predicted MW.: 140 kDa

VALIDATION IMAGES -



Sample: Lane 1: SARS-CoV-2 S1 Protein (E484Q,L452R,D614G,P681R) at 500ng Lane 2: SARS-CoV-2 S1 Protein (L18F,T20N,P26S,D138Y,R190S,K417T,E484K,N50

(L18F,T20N,P26S,D138Y,R190S,K417T,E484K,N50 1Y,D614G,H655Y) at 500ng Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 77kD Observed band size: kD Sample: Lane 1: SARS-CoV-2 S1 Protein (His-Avi,HEK293) at 500ng Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 78kD Observed band size: kD