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

Catalog Number: bsm-41615M

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

Concentration: Lot Dependent

Form: Size : 100ug

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 5E12

Isotype: IgG1

Applications: WB (1:500-2000)

Reactivity: Mouse, SARS-CoV-2

Predicted MW: 140 kDa

Source: Recombinant SARS-CoV-2 Spike S1 Protein: 14-685/1213.

Purification: affinity purified by Protein A

Storage: Size : 100ug

0.01M PBS (pH7.4).

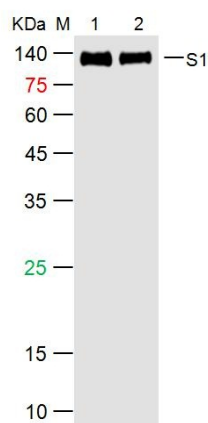
Size : 200ug (PBS only)

0.01M PBS

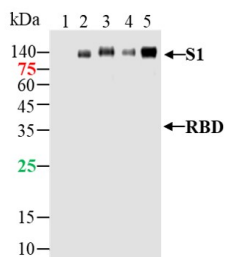
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

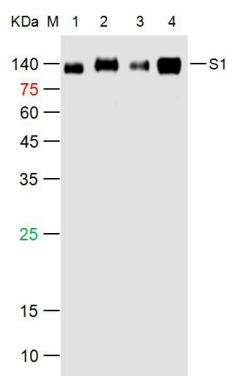
VALIDATION IMAGES



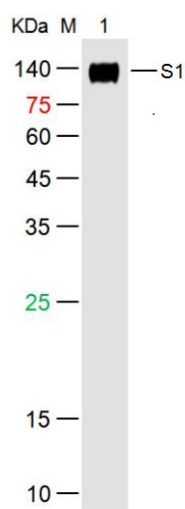
Sample: Lane 1: SARS-CoV-2 S1 Protein (E484Q,L452R,D614G,P681R) at 500ng Lane 2: SARS-CoV-2 S1 Protein (L18F,T20N,P26S,D138Y,R190S,K417T,E484K,N501Y,D614G,H655Y) at 500ng Primary: Mouse Anti-SARS-CoV-2 Spike S1 Protein Antibody at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 77kD Observed band size: kD



Sample: Lane 1: SARS-CoV-2 Spike RBD Protein(WT) at 500ng Lane 2: SARS-CoV-2 Spike S1 Protein(E484Q, L452R, D614G,P681R) at 500ng Lane 3: SARS-CoV-2 Spike S1 Protein (D80A, D215G, del241/243, K417N, E484K, N501Y, D614G) at 500ng Lane 4: SARS-CoV-2 Spike S1 Protein (L18F, T20N, P26S, D138Y, R190S, K417T,E484K,N501Y,D614G,H655Y) at 500ng Lane 5: SARS-CoV-2 Spike S1 Protein (WT) at 500ng Primary: Anti- SARS-CoV-2 Spike S1 Protein at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 27kDa /77.2 kDa Observed band size: 35kDa/114 kDa



Sample: Lane 1: SARS-CoV-2 S1 Protein (E484Q,L452R,D614G,P681R) at 500ng Lane 2: SARS-CoV-2 S1 Protein (D80A,D215G,del241/243,K417N,E484K,N501Y,D614G) at 1.5ng Lane 3: SARS-CoV-2 S1 Protein (L18F,T20N,P26S,D138Y,R190S,K417T,E484K,N501Y,D614G,H655Y) at 500ng Lane 4: 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



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