

Anti-SARS-CoV-2 Spike Antibody [Clone LGSV201]

Catalog Number	LDG0086YA
Package	100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Description

Human anti-SARS-CoV-2 Spike Antibody [CR3022] recognizes human SARS-CoV and CoV-2 Spike protein with high affinity. The binding site is amino acids 318-510 (RBD, Receptor Binding Domain) in the S1 subunit of the spike protein. Coronavirus spike protein conducts the process that interacts with cellular receptor and membrane fusion to allow virus entering into target cells. Spike protein also can be used to define the specificity of the virus and be used as a critical target for vaccine design. The glycosylated spike protein can be detected in the virus-infected cell and cell culture medium. The RBD is responsible for recognizing the cell surface receptor.

Product Note

Recommended dilution factor:

ELISA: 1:5000-20000

WB:1: 1000-5000

IFA:1: 500-1000

FACS: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

Specifications

Host

Mouse

Clonality

Monoclonal

Isotype

IgG1

Clone Name

clone LGSV201

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Immunogen

SARS-CoV-2 VLP

Application

ELISA, WB, IFA

Concentration

1 mg/mL

Specificity

Spike protein

Reactivity

SARS-CoV & CoV-2

Conjugation

Unconjugated

Storage Buffer

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

Form

Liquid

Instruction**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.



Stability & Storage

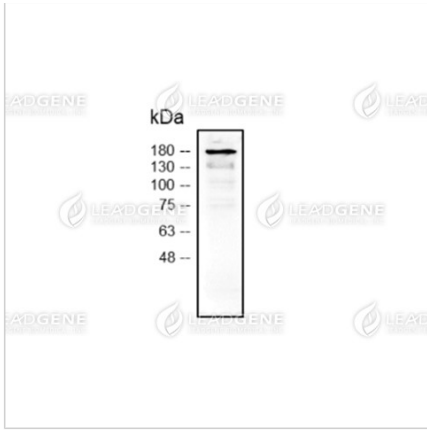
This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

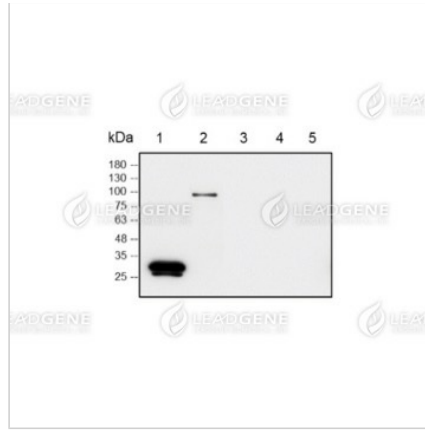
Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials. Keep only vials for usage at 2-8°C.

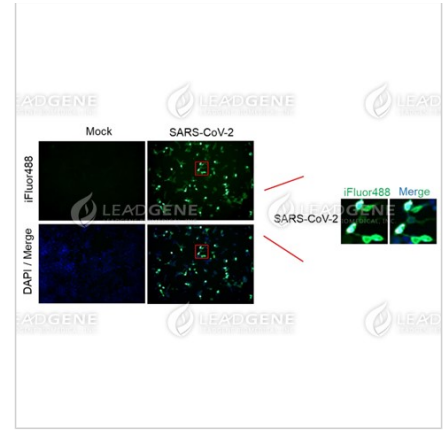
Image**Tainan Headquarters** +886-6-2536677 bd@leadgene.com.tw**Innovation & Research Center** +886-2-27065528**CLD Center** +886-6-2536677



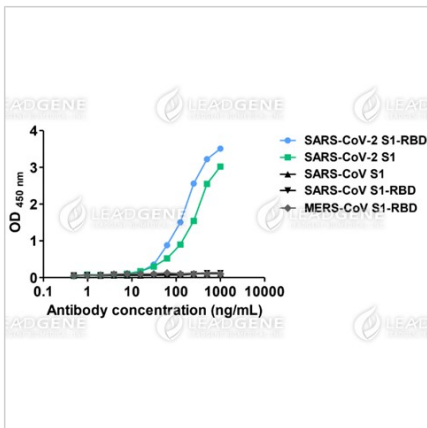
Western blotting analysis of Mouse anti-SARS-CoV-2 Spike mAb (1:5000)
Lane: SARS-CoV-2 VLP



LDG0086YAWB01 Western blotting analysis of Mouse anti-SARS-CoV-2 Spike mAb (1:5000) Lane 1: SARS-CoV-2 S1-RBD Lane 2: SARS-CoV-2 S1 Lane 3: SARS-CoV S1-RBD Lane 4: SARS-CoV S1 Lane 5: MERS-CoV S1-RBD



Immunofluorescence analysis of Mouse anti-SARS-CoV-2 Spike mAb (1:1000)



ELISA titration of Mouse anti-SARS-CoV-2 Spike mAb

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