LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

# Anti-SARS-CoV & CoV-2 Spike IgG Antibody [Clone CR3022]

| | |
|---|---|
| **Catalog Number** | LDG0080YA |
| **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
NTRL: Assay dependent
SPR: Assay dependent
Crystallography: Assay dependent

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

## Specifications

| | |
|---|---|
| **Clonality** | **Isotype** |
| Recombinant Human IgG | IgG1 |
| **Clone Name** | **Reactivity** |
| clone CR3022 | SARS-CoV & CoV-2 |


**Tainan Headquarter**

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

**Taipei Office**

+886-2-27065528

**Application**

ELISA, NTRL, SPR, Crystallography

**Conjugation**

Unconjugated

**Concentration**

1 mg/mL

**Storage Buffer**

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

**Specificity**

Spike protein

**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

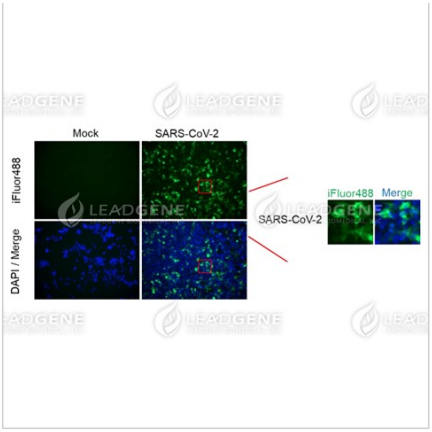
**Tainan Headquarter**

+886-6-2536677 +886-6-2531536

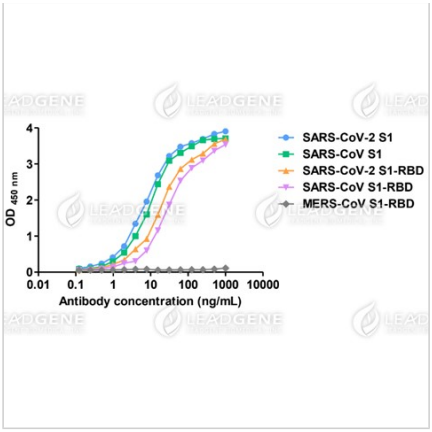
info@leadgene.com.tw

**Taipei Office**

+886-2-27065528




Immunofluorescence analysis of Human anti-SARS-CoV & CoV-2 Spike Antibody (IgG) (1:500)




ELISA titration of Human anti-SARS-CoV & CoV-2 Spike Antibody (IgG)

**Disclaimer :** For Research Use or Further Manufacturing Only.

**Tainan Headquarter**

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

**Taipei Office**

+886-2-27065528