

Anti-SARS-CoV-2 NP Antibody [Clone 37-3]

| | |
|----------------|-----------------------------|
| Catalog Number | LDG0085YA |
| Package | Customized package / 100 µg |

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



Overview

Description

Mouse anti-SARS-CoV & CoV-2 NP mAb recognize SARS Coronavirus Nucleocapsid protein (NP). Coronavirus NP localize to the cytoplasm and the nucleolus in both Virus-like particle (VLP) infected primary cells and in cells transfected with NP plasmid. NP has abundant expression in coronavirus and is a highly immunogenic phosphoprotein. NP is also conserved in sequence. Due to these characteristics above, the NP is an ideal marker for diagnosis.

Product Note

Recommended dilution factor:

ELISA: 1:5000-20000

WB:1: 1000-5000

IFA:1: 500-1000

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 37-3

Immunogen

Nucleocapsid protein (NP)

Reactivity

SARS-CoV & CoV-2

Tainan Headquarters

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Application

ELISA, WB, IFA

Conjugation

Unconjugated

Concentration

1 mg/mL

Storage Buffer

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

Specificity

Nucleocapsid 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

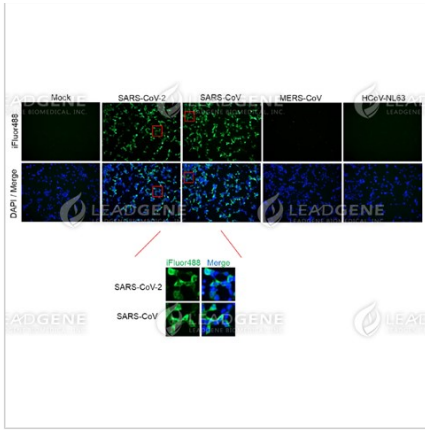
This product is stable after storage at:

- 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.

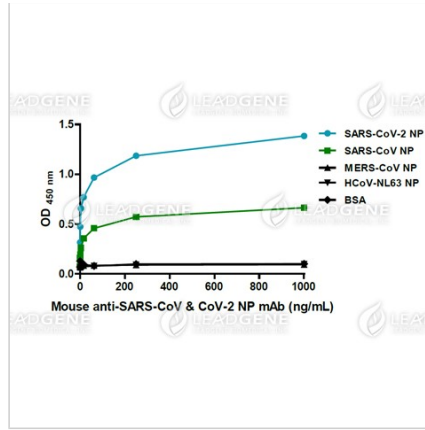
Avoid repeated freeze/thaw cycles.

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

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



Immunofluorescence analysis of Mouse anti-SARS-CoV & CoV-2 NP mAb, clone 37-3 (1:500)



ELISA titration of Mouse anti-SARS-CoV & CoV-2 NP mAb, clone 37-3
Titration curve of anti-DENV NS4B antibody in ELISA.

| | Mutations | Variant |
|----|----------------------------------|-------------------|
| 1 | D3L, S235F | Alpha (B.1.1.7) |
| 2 | T205I | Beta (B.1.351) |
| 3 | P80R | Gamma (P.1) |
| 4 | D377Y | (B.1.617) |
| 5 | P199L, M234I | Iota (B.1.526) |
| 6 | A12G, T205I | Eta (B.1.525) |
| 7 | R203M, D377Y | Kappa (B.1.617.1) |
| 8 | G18S, A119S, A217S, M234I, E367Q | (B.1.618) |
| 9 | D63G, R203M, D377Y | Delta (B.1.617.2) |
| 10 | P67S, R203M, D377Y | (B.1.617.3) |
| 11 | P13L, R203K, G204R, G214C | Lambda (C.37) |
| 12 | D63G, R203M, G215C, D377Y | Delta plus (AY.1) |

Recognition of mutant coronavirus nucleocapsid proteins.
Recognize SARS-CoV & CoV-2 NP in Lateral Flow, when monoclonal antibody was paired with Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) (LDG0076YA).
Recognize SARS-CoV & CoV-2 NP in ELISA, when monoclonal antibody was paired with Mouse anti-SARS-CoV & CoV-2 NP mAb, clone 109-5 (LDG0084YA).

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