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	**Clonality**
Mouse	Monoclonal
Isotype	**Clone Name**
IgG1	clone 37-3
Immunogen	**Reactivity**
Nucleocapsid protein (NP)	SARS-CoV & CoV-2

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Application

ELISA, WB, IFA

Conjugation

Unconjugated

Concentration

1 mg/mL

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

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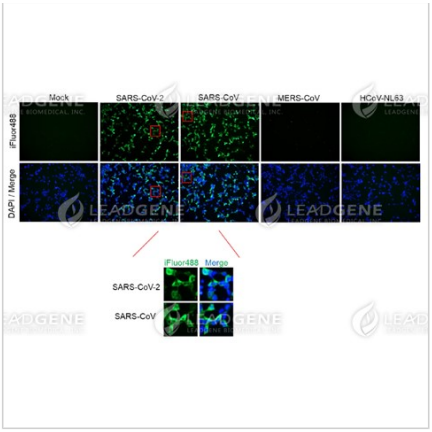
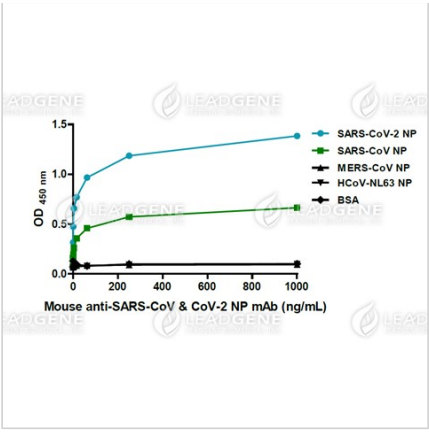


Immunofluorescence analysis of Mouse anti-SARS-CoV & CoV-2 NP mAb, clone 37-3 (1:500)



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).

Disclaimer : For Research Use or Further Manufacturing Only.

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