

## Anti-SARS-CoV & CoV-2 NP IgG Antibody

**Catalog Number** LDG0076YA

**Package** 100 µg / 1 mg / Customized package

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



### Overview

#### Description

Human anti-SARS-CoV & CoV-2 NP antibody recognize human 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 characteristic 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

FACS: Assay dependent

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

### Specifications

#### Clonality

Recombinant Human IgG

#### Isotype

IgG1

#### Reactivity

SARS-CoV & CoV-2

#### Application

ELISA, WB, IFA

**Conjugation**

Unconjugated

**Storage Buffer**

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

**Form**

Liquid

**Concentration**

1 mg/mL

**Specificity**

Nucleocapsid protein

**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:

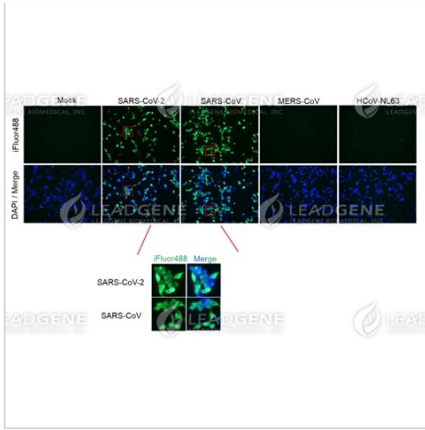
- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

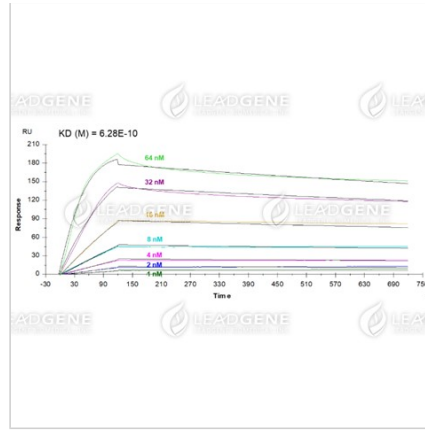
Suggestion: Divide antibody into several vials.

Keep only vials for usage at 2-8°C.

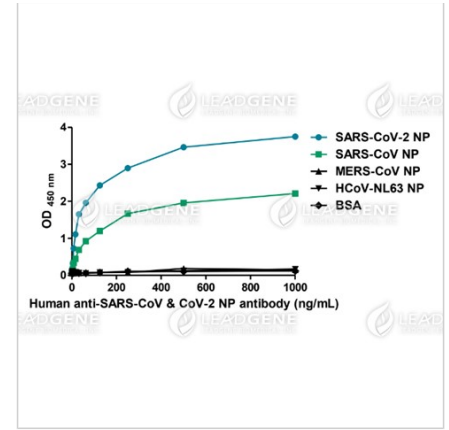
**Image****Tainan Headquarter** +886-6-2536677 [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)**Innovation & Research Center** +886-2-27065528**CLD Center** +886-6-2536677



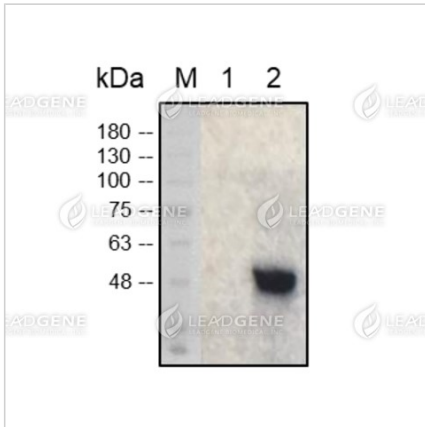
Immunofluorescence analysis of Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) (1:500)



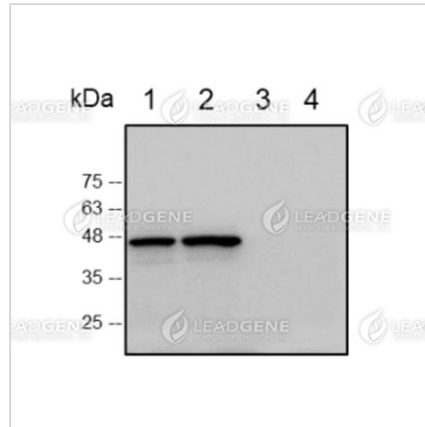
Multi-cycle kinetic analysis of Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) to Human SARS-CoV-2 Nucleocapsid protein by using Biacore T200.



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



Western blotting analysis of Human anti-SARS-CoV & CoV-2 NP antibody (IgG) (1:1000)  
Lane 1 : SARS-CoV-2 NP  
Lane 2 : SARS-CoV NP  
Lane 3 : MERS-CoV NP  
Lane 4 : HCoV-NL63 NP



Western blotting analysis of Human anti-SARS-CoV & CoV-2 NP antibody (IgG) (1:1000)  
Lane 1: 293T control lysate  
Lane 2: SARS-CoV-2 VLP

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