

Monoclonal Antibody
Catalog No. CEC-U007

For research use only.
Not for use in diagnostic procedures.

Anti- SARS-CoV-2(2019-nCoV) / COVID-19 NP antibody(Clone No.SA8)

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
SA8	-	WB, ICC, ELISA	rabbit	IgG, κ	-20°C

BACKGROUND : SARS-CoV-2(2019-nCoV) , a kind of coronaviruses, is causes of severe human respiratory disease COVID-19. Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Nucleocapsid protein is a most abundant protein of coronavirus. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating pathways.

Immunogen Recombinant SARS-CoV-2 nucleocapsid protein (Met1-Ala419) with His tag at the C-terminus

Host Rabbit

Isotype IgG, κ

Cross reactivity SARS-CoV Nucleocapsid protein (Fig.3)

Specificity SARS-CoV-2(2019-nCoV) Nucleocapsid protein

Application notes Recommended use

WB, ICC, ELISA

Recommended dilutions

Western blotting: 1/5000 (Fig.1)

Immunocytochemistry: 1/250 (Fig.2)

ELISA : 1/5000

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

Source Recombinant antibody/293 cell culture supernatant

Purification Affinity chromatography (Protein A)

Form Liquid

Presentation Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300

Concentration 0.5 mg/mL

Volume 200 μ L

Storage Store below -20°C
 (below -70°C for prolonged storage)
 Aliquot to avoid cycles of freeze/thaw.

References

Data

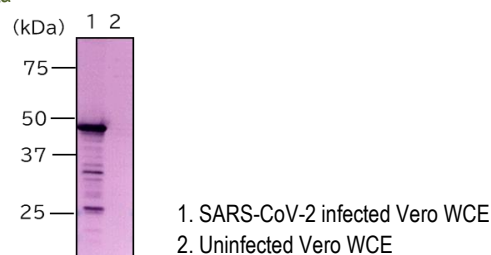


Fig.1 Western blot - SARS-CoV-2 NP antibody (SA8) SARS-CoV-2 infected or uninfected Vero total cell extracts

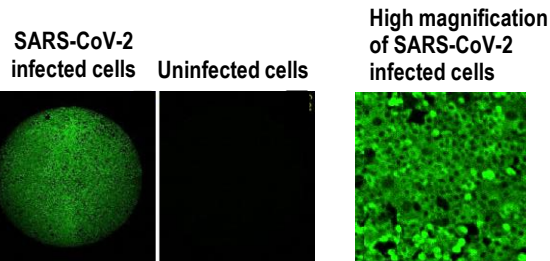


Fig.2 Immunocytochemistry/Immunofluorescence - SARS-CoV-2 NP antibody (SA8) SARS-CoV-2 infected or uninfected Vero cells

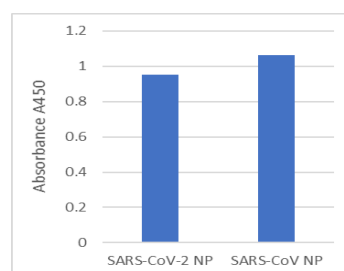


Fig.3 ELISA analysis - SARS-CoV-2 NP antibody (SA8) SARS-CoV-2 NP or SARS-CoV NP

Other Data Link : UniProtKB/Swiss-Prot A0A6C0T6Z7