

Anti- SARS-CoV-2(2019-nCoV) / COVID-19 S1 antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
1G11	-	WB, ICC, ELISA	mouse	IgG2b, κ	-20°C

BACKGROUND : SARS-CoV-2(2019-nCoV) , a kind of coronaviruses, is causes of severe human respiratory disease COVID-19. The spike (S) protein of SARS-CoV-2, which plays a key role in the receptor recognition and cytomembrane fusion process, is composed of two domains, S1 and S2. The S1 subunit contains a receptor-binding domain that recognizes and binds to the host receptor angiotensin-converting enzyme-2 (ACE2).

Immunogen Immunization with plasmid DNA encoding SARS-CoV-2 S1 (Val16-Arg685) protein

Host Mouse

Isotype IgG2b, κ

Myeloma SP2

Cross reactivity

Specificity SARS-CoV-2(2019-nCoV) S1 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 Culture Supernatant

Purification Ion-exchange chromatography

Form Liquid

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

Concentration 1 mg/mL

Volume 100 μ L

Storage Store below -20°C

(below -70°C for prolonged storage)

Aliquot to avoid cycles of freeze/thaw.

Label Unlabeled

References

Data

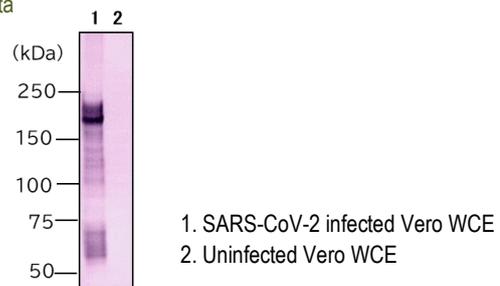


Fig.1 Western blot - SARS-CoV-2 S1 antibody (1G11) SARS-CoV-2 infected or uninfected Vero total cell extracts

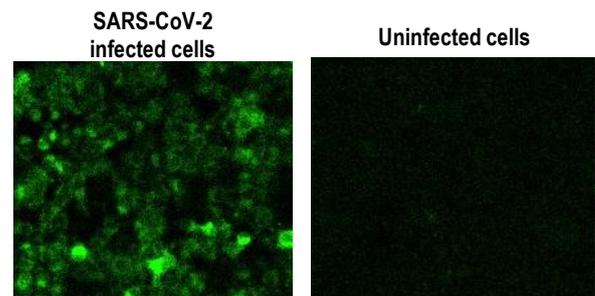


Fig.2 Immunocytochemistry/Immunofluorescence - SARS-CoV-2 S1 antibody (1G11) SARS-CoV-2 infected or uninfected Vero cells

Other Data Link : UniProtKB/Swiss-Prot P0DTC2