

**SARS-CoV-2 (COVID-19) ORF10 Antibody**  
**Infectious Disease, COVID-19**  
**Catalog # ASC12226**

**Specification**

**SARS-CoV-2 (COVID-19) ORF10 Antibody - Product Information**

Application	E
Other Accession	<a href="#">OSJ03260.1</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	Antibody validated: SARS-CoV-2 (COVID-19) ORF10 antibody can detect 2 ng of free peptide at 1 µg/mL in ELISA. All other applications and species not yet tested.

**SARS-CoV-2 (COVID-19) ORF10 Antibody - Additional Information**

Gene ID **43740576**

**Other Names**

ORF10 protein, ORF10

**Target/Specificity**

ORF10 Antibody is predicted to not cross-react with other coronavirus family members.

**Reconstitution & Storage**

SARS-CoV-2 (COVID-19) ORF10 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

SARS-CoV-2 (COVID-19) ORF10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SARS-CoV-2 (COVID-19) ORF10 Antibody - Protein Information**

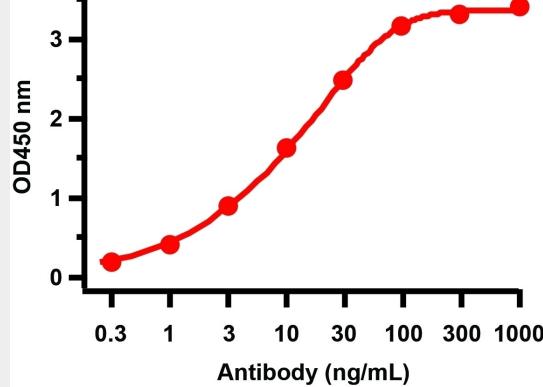
**SARS-CoV-2 (COVID-19) ORF10 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SARS-CoV-2 (COVID-19) ORF10 Antibody - Images



#### Figure 1 ELISA Validation

Antibodies: SARS-CoV-2 (COVID-19) ORF10 Antibody, 9293. A direct ELISA was performed using SARS-CoV-2 ORF10 immunogen peptide (9293P) as coating antigen and the anti-SARS-CoV-2 (COVID-19) ORF10 antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 0.3 ng/mL to 1000 ng/mL

### SARS-CoV-2 (COVID-19) ORF10 Antibody - Background

Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus (1). The disease is the cause of the 2019-20 coronavirus outbreak (2). SARS-CoV-2 virus proteins include structural proteins, non-structural proteins and accessory factors. The structure of SARS-CoV-2 consists of the following: a spike protein (S), hemagglutinin-esterease dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleoclapid protein (N) and RNA. SARS-CoV-2 non-structural protein is ORF1ab that consists of 16 proteins (nsp1-nsp16), while accessory factors include ORF3a, ORF3b, ORF6, ORF7a, ORF7b, ORF8, ORF9b, ORF10 and ORF10.

### SARS-CoV-2 (COVID-19) ORF10 Antibody - References

Gorbalenya. bioRxiv: 2020.;Hui et al. Int J Infect Dis. 2020;91:264-266.