

## ARG43729 anti-SARS-CoV-2 ORF8 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SARS-CoV-2 ORF8
Tested Reactivity	Virus
Tested Application	ELISA, IHC-P, WB
Specificity	ORF8 Antibody is predicted to not cross-react with other coronavirus family members.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SARS-CoV-2 ORF8
Species	Virus
Immunogen	Synthetic peptide corresponding to 14 amino acids near carboxyl terminus of SARS-CoV-2 (COVID-19) ORF8 protein.  The immunogen is located within the last 50 amino acids of the SARS-CoV-2 (COVID-19) ORF8 protein.
Conjugation	Un-conjugated
Alternate Names	ORF8 protein, ns8, ORF8, Non-structural protein 8

### Application Instructions

Application table	Application	Dilution
	ELISA	detect 2 ng of free peptide at 1 µg/mL
	IHC-P	0.1 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

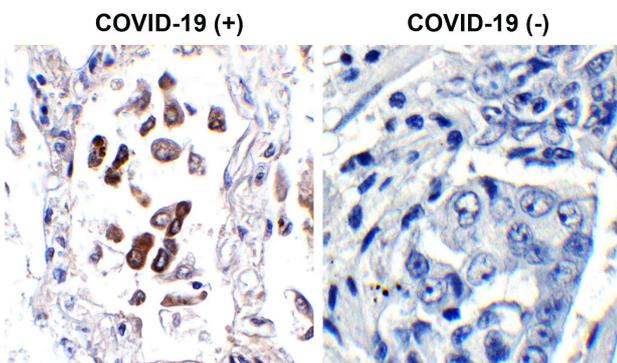
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

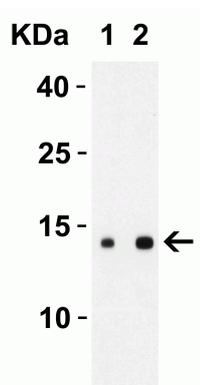
Gene Symbol	ORF8
Gene Full Name	SARS-CoV-2 ORF8
Background	Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus. The disease is the cause of the 2019–20 coronavirus outbreak. 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-esterase dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleocapsid 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, ORF9c and ORF10. ORF8 may play a role in modulating host immune response (Probable). May play a role in blocking host IL17 cytokine by its interaction with host IL17RA.
Highlight	Related products: <a href="#">SARS-CoV antibodies</a> ; <a href="#">SARS-CoV ELISA Kits</a> ; <a href="#">SARS-CoV recombinant proteins</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ; Related news: <a href="#">HMGB1, a biomarker and therapeutic target in COVID-19</a>

## Images



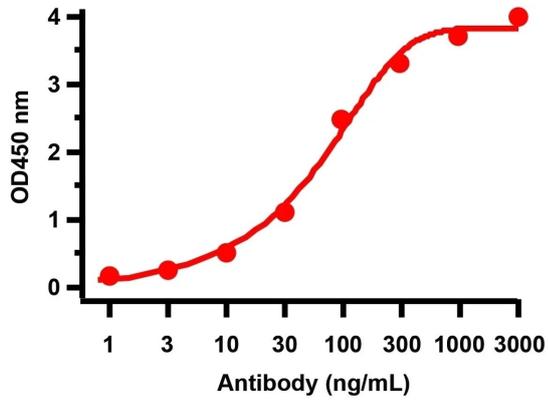
ARG43729 anti-SARS-CoV-2 ORF8 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded COVID-19 patient lung tissue (left) or health control (right) lung tissue were fixed with formaldehyde and blocked with 10% serum for 1 hour at RT. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG43729 anti-SARS-CoV-2 ORF8 at 0.1µg/mL dilution, overnight at 4°C. Counter stained with Hematoxylin.



ARG43729 anti-SARS-CoV-2 ORF8 antibody WB image

Western blot: 30 ng of SARS-CoV-2 ORF8 recombinant protein stained with ARG43729 anti-SARS-CoV-2 ORF8 for 1 hour incubation at RT in 5% NFDm/TBST, at 1 µg/ml (left) or 2 µg/ml (right) dilution.



#### ARG43729 anti-SARS-CoV-2 ORF8 antibody ELISA image

Direct ELISA: SARS-CoV-2 ORF8 rprotein was coated on the plate and ARG43729 anti-SARS-CoV-2 ORF8 antibody was used as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 1 ng/mL to 3000 ng/mL.