

ARG43730 anti-SARS-CoV-2 ORF9c antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SARS-CoV-2 ORF9c
Tested Reactivity	Virus
Tested Application	ELISA, WB
Specificity	ORF9c Antibody is predicted to not cross-react with other coronavirus family members.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SARS-CoV-2 ORF9c
Species	Virus
Immunogen	Synthetic peptide corresponding to 16 amino acids near the amino-terminus of SARS-CoV-2 (COVID-19) ORF9c protein. The immunogen is located within the first 50 amino acids of the SARS-CoV-2 (COVID-19) ORF9c protein.
Conjugation	Un-conjugated
Alternate Names	ORF9c protein, Uncharacterized protein 14, ORF14, ORF9c

Application Instructions

Application table	Application	Dilution
	ELISA	detect 2 ng of free peptide at 1 µg/mL
	WB	0.25 - 1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

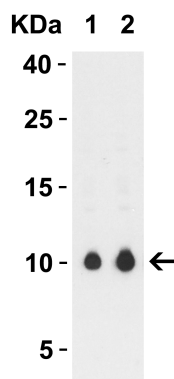
Properties

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.

Bioinformation

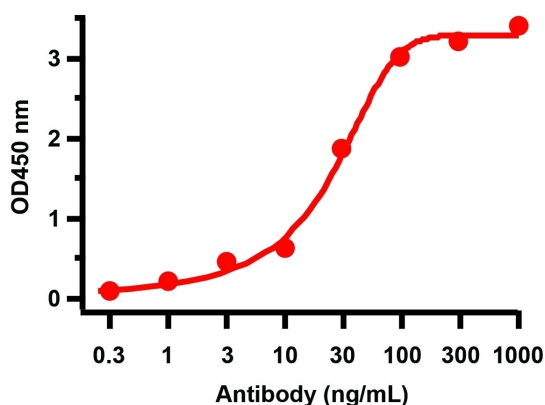
Gene Symbol	ORF9c
Gene Full Name	SARS-CoV-2 ORF9c
Background	Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus. The disease is the cause of the 2019–20 coronavirus outbreak. 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. ORF9c may play a role in host-virus interaction.
Highlight	<p>Related products: SARS-CoV antibodies; SARS-CoV ELISA Kits; SARS-CoV recombinant proteins; Anti-Rabbit IgG secondary antibodies;</p> <p>Related news: HMGB1, a biomarker and therapeutic target in COVID-19</p>

Images



ARG43730 anti-SARS-CoV-2 ORF9c antibody WB image

Western blot: 10 μ g of SARS-CoV-2 ORF9c expression plasmid transfected 293 cell lysate stained with ARG43730 anti-SARS-CoV-2 ORF9c antibody for 1 hour incubation at RT in 5% NFDN/TBST, at 0.25 μ g/ml (left) or 0.5 μ g/ml (right) dilution.



ARG43730 anti-SARS-CoV-2 ORF9c antibody ELISA image

Direct ELISA: SARS-CoV-2 ORF9c peptide was coated on the plate and ARG43730 anti-SARS-CoV-2 ORF9c antibody was used 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.