Rabbit COVID 19 NSP8 Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

SARS-CoV-2 (COVID-19) NSP8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40913	**Rabbit**	**Virus**	**Western Blot, ELISA**

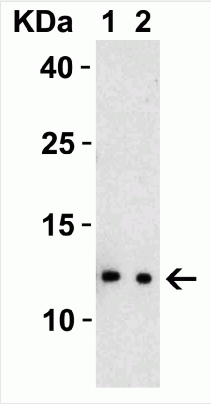
PRODUCT SYNONYMS

COVID 19 NSP8 Coronavirus; Polyclonal Antibody; SARS-CoV-2 (COVID-19) NSP8 Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP8; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

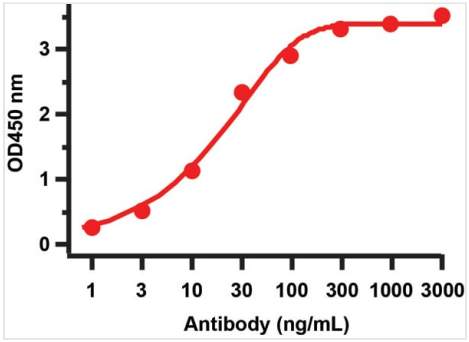
Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SARS-CoV-2 (COVID-19) NSP8 Antibody is affinity chromatography purified via peptide column
Form/Format	Liquid SARS-CoV-2 (COVID-19) NSP8 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-COVID-19 antibody	WB (Western Blot), ELISA
Immunogen	Anti-SARS-CoV-2 (COVID-19) NSP8 antibody was raised against a peptide corresponding to 14 amino acids near the center of SARS-CoV-2 (COVID-19) NSP8 protein. The immunogen is located within 40-90 amino acids of SARS-CoV-2 (COVID-19) NSP8.
Homology	Predicted reactivity based on immunogen sequence: SARS-CoV NSP8 protein: (100%)
Preparation and Storage	SARS-CoV-2 (COVID-19) NSP9 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.

IMAGES



WB (Western Blot)

Figure 2 Western Blot Validation with SARS-CoV-2 (COVID-19) NSP8 ProteinLoading: 30 ng per lane of SARS-CoV-2 (COVID-19) NSP8 protein (10-415).Antibodies: SARS-CoV-2 (COVID-19) NSP8, (AAA40913), 1h incubation at RT in 5% NFDM/TBST.Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.Lane 1: 0.5 μg/mL andLane 2: 1 μg/mL



ELISA

Figure 1 ELISA Validation with SARS-CoV-2 (COVID-19) NSP8 ProteinAntibodies: SARS-CoV-2 (COVID-19) NSP8 Antibody, (AAA40913). A direct ELISA was performed using SARS-CoV-2 NSP8 recombinant protein (10-415) as coating antigen and the anti-SARS-CoV-2 (COVID-19) NSP8 antibody 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

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	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). The structure of 2019-nCoV 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. NSP8 plays a role in viral RNA synthesis (3,4,5). Forms a hexadecamer with nsp7 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, it may synthesize substantially longer products than oligonucleotide primers (6).
Product Categories/Family for anti-COVID-19 antibody	Infectious Disease; COVID-19
References	Gorbalenya. bioRxiv: 2020. Hui et al. Int J Infect Dis. 2020;91:264-266. Gao et. al Science 2020;0:0-0 Yin et. al Science 2020;0:0-0

NCBI AND UNIPROT INFORMATION

NCBI GI #	1826688925
NCBI GeneID	43740578

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/covid-19-nsp8-coronavirus-antibody-western-blot-elisa/40913