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Datasheet for ABIN6990135
anti-SARS-CoV-2 NSP7 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 NSP7 (NSP7)
Binding Specificity:	C-Term
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-CoV-2 NSP7 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) NSP7 antibody was raised against a peptide corresponding to 12 amino acids near the carboxyl terminus of the SARS-CoV-2 (COVID-19) NSP7 protein. The immunogen is located within the last 50 amino acids of the SARS-CoV-2 (COVID-19) NSP7 protein.
Isotype:	IgG
Purification:	SARS-CoV-2 (COVID-19) NSP7 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-CoV-2 NSP7 (NSP7)
Alternative Name:	SARS-CoV-2 NSP7 (NSP7 Products)
Target Type:	Viral Protein

Target Details

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). The structure of 2019-nCoV 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. NSP7 plays a role in viral RNA synthesis (3,4,5). It forms a hexadecamer with nsp8 (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.

Gene ID: 43740578

NCBI Accession: [YP_009742614](#)

UniProt: [P0DTC1](#)

Application Details

Application Notes: IHC: 0.5 µg/mL.

Antibody validated: Immunohistochemistry in human samples. SARS-CoV-2 (COVID-19) NSP7 antibody can detect 2 ng of free peptide at 1 µg/mL in ELISA. It can detect SARS-CoV-2 NSP7 recombinant protein by ELISA. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SARS-CoV-2 (COVID-19) NSP7 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: SARS-CoV-2 (COVID-19) NSP7 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.