Datasheet for ABIN6992307

anti-SARS-CoV-2 ORF8 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 ORF8
Binding Specificity:	C-Term
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-CoV-2 ORF8 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) ORF8 antibody was raised against a 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.
Isotype:	IgG
Specificity:	ORF8 Antibody is predicted to not cross-react with other coronavirus family members.
Purification:	SARS-CoV-2 (COVID-19) ORF8 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-CoV-2 ORF8
Abstract:	SARS-CoV-2 ORF8 Products

Target Details

Target Type:	Viral Protein
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, 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 (3).
Molecular Weight:	14kD kDa
Gene ID:	43740577
UniProt:	P0DTC8

Application Details

Application Notes:	WB: 1 µ,g/mL, IHC: 0.1 µ,g/mL Antibody validated: Immunohistochemistry in human samples. SARS-CoV-2 (COVID-19) ORF8 antibody can detect 2 ng of free peptide at 1 µ,g/mL in ELISA. It can detect SARS-CoV-2 ORF8 recombinant protein by ELISA and WB. 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) ORF8 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) ORF8 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.