Datasheet for ABIN6990142

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

Go to Product page

Overview

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

Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) Envelope antibody was raised against a peptide corresponding to 14 amino acids near the carboxyl terminus of SARS-CoV-2 (COVID-19) Envelope protein. The immunogen is located within the last 50 amino acids of SARS-CoV-2 (COVID-19) Envelope protein.
Isotype:	IgG
Purification:	SARS-CoV-2 (COVID-19) Envelope Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-CoV-2 Envelope (SARS-CoV-2 E)
Alternative Name:	SARS-CoV-2 Envelope (SARS-CoV-2 E 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). 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. The envelope protein is a small polypeptide that contains at least one ?-helical transmembrane domain. It involves in several aspects of the virus's life cycle, such as assembly, budding, envelope formation, and pathogenesis. E protein has membrane permeabilizing activity, which provides a possible rationale to inhibit in vitro ion channel activity of some synthetic corona virus E proteins, and also viral replication (3).
Gene ID:	43740570

Application Details

Application Notes:	IHC: 0.5 µ,g/mL, WB: 1-2 µ,g/mL, Antibody validated: Immunohistochemistry in human samples. SARS-CoV-2 (COVID-19) Envelope antibody can detect 2 ng of free peptide at 1 µ,g/mL in ELISA. It can detect SARS-CoV-2 Envelope 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) Envelope 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) Envelope 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.