Datasheet for ABIN6990124

anti-SARS-Coronavirus Envelope Protein antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	SARS-Coronavirus Envelope Protein (SARS-CoV E)
Binding Specificity:	C-Term
Reactivity:	SARS Coronavirus (SARS-CoV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-Coronavirus Envelope Protein antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Anti-SARS-CoV Envelope antibody was raised against a peptide corresponding to 11 amino acids near the carboxy terminus of SARS-CoV Envelope protein. The immunogen is located within the last 50 amino acids of SARS-CoV Envelope.
Isotype:	IgG
Purification:	SARS-CoV Envelope Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-Coronavirus Envelope Protein (SARS-CoV E)
Alternative Name:	SARS-CoV Envelope (SARS-CoV E Products)
Target Type:	Viral Protein

Target Details

Background:	SARS Envelope Antibody: A novel coronavirus has recently been identified as the causative agent of SARS (Severe Acute Respiratory Syndrome). Coronaviruses are a major cause of upper respiratory diseases in humans. The genomes of these viruses are positive-stranded RNA approximately 27-31kb in length. SARS infection can be mediated by the binding of the viral spike protein, a glycosylated 139 kDa protein and the major surface antigen of the virus, to the angiotensin-converting enzyme 2 (ACE2) on target cells. This binding can be blocked by a soluble form of ACE2. 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 coronavirus E proteins, and also viral replication.
Gene ID:	1489671
UniProt:	P59637

Application Details

Application Notes:	SARS-CoV Envelope antibody can be used for the detection of SARS-CoV Envelope protein in ELISA. It will detect 5 ng of free peptide at 1 µ,g/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SARS-CoV 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 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.